Technical Memorandum 33-758

A Reduced Star Catalog Containing 5116 Designated Stars

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(NASA-CF-145823) A REDUCED STAR CATALOG CONTAINING 5116 DESIGNATED STARS (Jet Propulsion Lab.) 335 p HC \$10.00 CSCL 03A N76-18007

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PREFACE

The work described in this report was performed by the Guidance and Control Division of the Jet Propulsion Laboratory, under the cognizance of the Viking 1975 Project.

Inquiries or comments regarding the material presented in this report are solicited.

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Abstract

This document is the second in a series of publications presenting data, compiled by JPL, which is to be included in the JPL Astronautical Star Catalog. Positional and color magnitude data for the 5116 designated stars, which are to be included in the catalog, are given.

I. INTRODUCTION

The increasing use of celestial instruments aboard unmanned space-craft has created the need for a comprehensive collection of celestial data which is in concord with the special requirements of these instruments. These instruments may be concerned with spacecraft attitude control, such as star and planet sensors, or navigational oriented instruments, such as on-board TV cameras. Evaluation of measurements from scientific instruments, such as infrared and ultraviolet spectrometers, also requires knowledge of the stellar background.

In order to meet those specialized requirements of the scientist or engineer associated with or interested in celestial sensing devices, the Jet Propulsion Laboratory (JPL) is compiling celestial and allied data which is to form the JPL Astronautical Star Catalog (JASC). When completed the JASC will contain in one source accurate positions (right ascension and declinations), proper motions, and color magnitudes (such as the Johnson U, B, V, R, I magnitudes) available for stars down to the eighth magnitude, plus other useful information.

This document is the second in a series of publications presenting data, compiled by JPL, which is to be included in the JPL Astronautical Star Catalog (JASC). All of the stars bearing designations which will appear in the JASC comprise the 5116 stars of this paper. Although proper names do not appear in this report, every star that bears both a designation and a proper name appeared in the first publication of this series (see reference 14), making the first publication a subset of the present report.

Sections II and III and Tables 1 and 2 form the explanation for Tables 3 through 5. The star data presented in Table 3 has been stored on magnetic tape.

II. EXPLANATION OF THE REDUCED STAR CATALOG

The "Reduced Star Catalog Containing 5116 Designated Stars" consists of the data contained in Tables 3 and 6. The data presented in Table 3 has been listed alphabetically by star constellation.

Since it is often more convenient to locate desired stars by other criteria than star constellation, Table 3 has been reordered. These new lists are given in Tables 4 and 5. These new orderings, plus Table 3, are:

- (1) Data ordered by star constellation (Table 3).
- (2) Data ordered by increasing right ascension (EME50) (Table 4).
- (3) Data ordered by decreasing visual magnitude (Table 5).

Tables 1 and 2 contain explanatory information needed in conjunction with the description of data contained in Table 3. Table 6 contains additional notes for those stars contained in Tables 3 through 5.

III. DESCRIPTION OF THE REDUCED STAR CATALOG

Since the columns of Tables 3 through 5 are identical, it is only necessary to discuss the data in Tables 3 and 6, which constitutes the reduced star catalog presented in this paper. Each of the columns of Table 3 (identical to those of Tables 4 through 5) is presented and described below.

Column 1 -- Number

The star number associated with the "Reduced Star Catalog Containing 5116 Designated Stars."

Column 2 -- Star Designation

The star designation consists of three parameters, for instance,

55 ZET-1 AQR

The first parameter, 55, is the Flamsteed number associated with this particular star.

The second parameter, ZET-1, is the Bayer designation of this particular star. The designation ZET-1 is a computer shorthand notation for the Greek letter and superscript ζ^1 . The star designation may also be letters of the alphabet which are Bayer, Lacaille, Argelander or Kukarkin designations for stars. Table 2 lists the computer shorthand notation used for the Greek alphabet and lower case letters. The designation, Vxxxx, is used by Kukarkin to denote variable stars, see references 4 through 6. It should be noted that there is some uncertainty in matching SAO positions with some of the dimmer stars taken from the Kukarkin variable star catalogs. Relating SAO stars with Kukarkin stars was accomplished by determining, if any, those SAO entries for which the Earth Mean Equator positions epoch 1900 were within 1 minute of arc of a Kukarkin entry also Earth Mean Equator, epoch 1900 coordinates. The Durchmustering (DM) number from both catalogs was compared as a further check. The DM was not available for all entries in the Kukarkin sources and for some of the dimmer stars (<9 magnitude) the large uncertainties in the Kukarkin positions make positive identification difficult. If the magnitude and/or spectral classification were a reasonable match between the two catalogs, a positive match was assumed.

The third parameter is the abbreviation of the star constellation Aquarius in which this particular star lies. The list of constellation abbreviations which will be used by the JPL Astronautical Star Catalog is given in Table 1. It should be noted that the conventional SERPENS (SER) does not appear in the list. Since the constellation Serpens consists of two disjoint areas (serpens cauda and serpens caput), it was decided to use the abbreviations SCA and SCP for the two disjoint areas, respectively, with SCA + SCP = SER. The star designations were determined from Refs. 1, 2, and 3.

Column 3 - Right Ascension

The right ascension of the star, epoch 1950.0.

Column 4 - Declination

The declination of the star, epoch 1950.0.

Column 5 - Position Note (PN)

Three letters or a blank appear in this column, each denoting information concerning the right ascension and declination given. The JPL Astronautical Star Catalog will take as its fundamental source of star position and proper motion the Smithsonian Astrophysical Observatory Star Catalog (Ref. 7).

- BLANK Position is that given by Ref. 7, the Smithsonian Catalog.
 With the exception of three stars (positions are from reference
 3) this is true for all stars in the reduced catalog.
 - C Position given is that of the center of gravity of a multiple physical system of stars, as indicated by Reference 3.
 - L Position given is that of the center of integrated light of a multiple system of stars, as indicated by Reference 3.
 - N See the notes, Table 6, for comments on the listed position.

Column 6 - Proper Motion in Right Ascension

The proper motion in right ascension, seconds of time/annum, for the star. Reference 7 is the source of this data with the exception of three stars whose data is from Reference 3.

Column 7 - Proper Motion in Declination

The proper motion in declination, seconds of arc/annum, for the star. Reference 7 is the source of this data with the exception of three stars whose data is from Reference 3.

Column 8 - Visual Magnitude

Unless indicated otherwise (Column 9), this is the Johnson-Morgan V magnitude from Reference 9.

Column 9 - Visual Magnitude Note (VN)

Source of visual data.

- BLANK: Visual data is from Ref. 9.
 - 1: Visual data is from Ref. 10.
 - 2: Visual data is from Ref. 11.
 - 3: Visual data is from Ref. 12.
 - 4: Visual data is from Ref. 3.
 - 5: Visual data is from Ref. 8.6: Visual data is from Ref. 7.
 - 7: Visual data is from Refs. 4 through 6.

Column 10 - Blue Magnitude

Unless indicated otherwise (column 11), this is the Johnson-Morgan B magnitude from reference 9.

Column 11 - Blue Magnitude Note (BN)

Source of Blue data. Codes are as defined under Column 9.

Column 12 - Ultraviolet Magnitude

Unless indicated otherwise (column 13), this is the Johnson-Morgan U magnitude.

Column 13 - Ultraviolet Magnitude Note (UN)

Source of Ultraviolet data. Codes are as defined under Column 9.

Column 14 - Spectral Class

Spectral classification in the Morgan-Keenan system, unless indicated otherwise by Column 15.

Column 15 - Spectral Classification Note (SN)

Source for spectral classification. Codes are as defined under column 9.

Column 16 - SAO Catalog Number

Smithsonian Astrophysical Observatory (SAO) catalog number. See reference 7.

Column 17 - Star Properties

Special star properties:

- D Double- or multiple-star system
- V Variable star

Special star properties were indicated by Refs. 1 through 9 and 13.

Column 18 - Notes

Special comments, given in Table 6, are indicated by numbers 1 through 165.

Table 6 contains notes associated with those stars as denoted by column 18 in Tables 3 through 5.

Table 6 has three columns:

Column 1 -- Note number

That number listed in column 18 in Tables 3 through 5.

Column 2 -- Designation

The designation of the star for which the comment relates.

Column 3 -- Comment

Special comment relating to the data given for the star of interest.

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TABLE 1. Names and Abbreviations for the Constellations

Constellation Name	Genitive	Abbreviation
Andromeda	Andromedae	And
Antlia	Antliae	Ant
	Apodis	Aps
Apus	Aquarii	Aqr
Aquarius	Aquilae	Aq1
Aquila	Arae	Ara
Aries	Arietis	Ari
	Aurigae	Aur
Auriga Bootes	Bootis	Воо
	Caeli	Cae
Caelum	Camelopardalis	Cam
Camelopardalis	Cancri	Cnc
Cancer	Canum Venaticorum	CVn
Canes Venatici	Canis Majoris	CMa
Canis Major	Canis Minoris	CM ₁
Canis Minor	Capricorni	Cap
Capricornus	Carinae	Car
Carina	Cassiopeiae	Cas
Cassiopeia	Centauri	Cen
Centaurus	Cephei	Сер
Cepheus	Ceti	Cet
Cetus	Chamaeleontis	Cha
Chamaeleon	Circini	Cir
Circinus	Columbae	Co1
Columba	Comae Berenices	Com
Coma Berenices	Comae Berenices Cononae Austrini	CrA
Corona Austrinus	Coronae Borealis	CrB
Corona Borealis		Grv
Corvus	Corvi Crateris	Crt
Crater	Crucis	Cru
Crux		Cyg
Cygnus	Cygni	Del
Delphinus	Delphini Doradus	Dor
Dorado		Dra
Draco	Draconis	Equ
Equuleus	Equulei	Eri
Eridanus	Eridani	For
Fornax	Fornacis Geminorum	Gem
Gemini		Gru
Grus	Gruis	Her
Hercules	Herculis	Hor
Horologium	Horologii	Hya
Hydra	Hydrae	
Hydrus	Hydri	Hyi Ind
Indus	Indi	1110

TABLE 1. Names and Abbreviations for the Constellations (cont.)

Constellation Name	Genitive	Abbreviation
	Lacertae	Lac
Lacerta	Leonis	Leo
Leo Leo Minor	Leonis Minoris	LMi
	Leporis	Lep
Lepus	Librae	Lib
Libra	Lupi	Lup
Lupus	Lyncis	Lyn
Lynx	Lyrae	Lyr
Lyra	Mensae	Men
Mensa	Mircoscopii	Mic
Microscopium	Monocerotis	Mon
Monoceros	Muscae	Mus
Musca	Normae	Nor
Norma	Octantis	Oct
Octans	Ophiuchi	Oph
Ophiuchus	Orionis	Ori
Orion	Pavonis	Pav
Pavo	Pegasi	Peg
Pegasus	Persei	Per
Perseus	Phoenicis	Phe
Phoenix	Pictoris	Pic
Pictor	Piscium	Psc
Pisces	Piscis Austrini	PsA
Piscis Austrinus		Pup
Puppis	Puppis	Рух
Pyxis	Pyxidis Reticuli	Ret
Reticulum		Sge
Sagitta	Sagittae Sagittarii	Sgr
Sagittarius	Sagittarii	Sco
Scorpius	Scorpii	Sc1
Sculptor	Sculptoris	Sct
Scutum	Scuti	Scp
Serpens Caput	Serpentis Caput Serpentis Cauda	Sca
Serpens Cauda		Sex
Sextans	Sextantis	Tau
Taurus	Taurí	Tei
Telescopium	Telescopii	Tri
Triangulum	Trianguli	TrA
Triangulum Australe	Trianguli Australe	Tuc
Tucana	Tucanae	UMa
Ursa Major	Ursae Majoris	UMi
Ursa Minor	Ursae Minoris	Vel
Vela	Velorum	Vir
Virgo	Virginis	Vo1
Volans	Volantis	Vol Vul
Vulpecula	Vulpeculae	
the analysis of the second of		

Table 2. Computer abbreviations of Greek alphabet and lower case letters^a

Greek		Lower c	ase
Abbreviation	Symbol	Abbreviation	Lette
ALP	α	-A	a
BET	β	-B	b
GAM	Y	-c	c
DEL	$oldsymbol{\delta}$. The $oldsymbol{\delta}$	-D	d
EPS	€	- E	e
ZET	ζ.	- F	f
ETA	\mathfrak{n}	- G	g
THE	θ	-H	h
IOT			i
KAP	K	\mathbf{J}	j
LAM	λ	- K	k
MU		-L	1
NU		- M	m
XI	\$	$-\mathbf{N}$	
OMI	0	-0	O
PI	π	- P	p
RHO	ρ	-Q	q
SIG	σ	-R	$oldsymbol{r}$
TAU		- s	s
UPS	υ	- T	ŧ
PHI	ф		u
CHI	X	- V	v
PSI	Ψ	-w	w
OME	ω	-X	.
		- Y	ÿ
		- Z	z

^aSuperscripts are denoted as follows: ALP-1 implies α^1

⁻H-2 implies h²

TABLE 3.
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATION

NUMBER	STAR EESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	2 0	1		UAL G.	2 <	BLUE MAG.	BZ	UV MAG.	UN	SPECTRAL CLASS	S	SA0 C:T.10.	STAR PROP	Ţ
1		D 23 00 17.85	+42 29 18.86		+0.0048 -0		04		5.170				42		52623	n	1
2		D 23 01 55.86	7 +49 46 47.88		+0.0167 +0		66	2	5.72	2	6.60	2	KOIII		52649		ı
3		D 23 05 21.70	+46 07 00.65		-0.0014 -0		33	2	6.74	2	8.46	2	KSIII		52711	n	į
4		D 23 05 28.67	+49 01 23.31		+0.0154 +0		73						F5V		52713		-
5 6		D 23 08 08.18	+43 16 31 53	1.4	-0.0179 -0			2	6.39	2	6.34	2	F5IV		52761		-
7		D 23 10 15.119 D 23 15 25.13	+49 07 58.27 +48 44 30.65		+0.0092 +0			2	4,83	2	4.87	2	FOV		52787		
8		D 23 17 29.15	+41 48 14.77		+0.0035 +0			2	6.53	2	8.50	2	GM2		52871	כער	
9		D 23 17 09.545	+48 21 03.09		+0.0035 +0		77	- 1					GM0		52914		
10	12 A	D 23 18 28.00°	+37 54 32.77		+0.0017 +0		28	- 1					KOIII	ÌI	5 29 n7		
11		D 23 24 42.40	+42 38 11.22		+0.0109 -0		66				1.0		DF5		73190	1	
12		D 23 28 49.48	+38 57 41.12		+0.0246 -0		59		5.590	٦		_	B9		53039		٠
13	15 A	D 23 32 10.36	+39 57 38.30		-0.0015 -0			2	6.24	2	7.10	2	68111		73311		
14	16 A	D 23 36 42.416	+50 11 40.85		-0.0018 ÷0		59 27	۷,	5.69	2	5,77	2	AZIII]	73346	1	
15	22 A	0 00 07 42.74	+45 47 38.93	1	+0.0006 +0			2	5.210	٦	c 70	١,	B9	l I	35642		
16	23 A		+40 45 34.17		-0.0104 -0			'	3.47	2	5.70	2	F2II		36123		
17	26 A	D 00 16 03.439	+43 30 49.02	4	+0.0017 +0				5.980	ĺ			DA 7 B9		36173	_	
18	32 A	0 00 38 24.046	+39 11 04.33		-0.0010 -0			2	6.22	2	6.82	2	GBIII		36256	ם	
19	36 A		+23 21 28.90		+0.0095 -0			٦.	0.22	-	0.02	~			54079	2712	
20	39 A	0 01 00 05.087	+41 04 36.77		-0.0019 -0			2	6.14	2	6.23	2	SGK1 A7V		74359	DV?	i
21	41 A	01 05 08.012	+43 40 34.86	1.5	+0.0152 -0			-	0.14	-	0,23	۲,	A2M2		36874	ָ מ	
22	44 A	D U1 07 27.789	+41 48 58.35	ı		037 5.		- 1	6.270				F8V		3695n 36984		
23	45 A	D 01 08 21.178	1 +37 27 31.10		-0.0011 -0				5.650	- 1			B7III		54494		ĺ
24	47 A	D 01 20 48.433	+37 27 16.74		+0.0066 -0				5.750		8 J. S. 18	- 1	AM		54655		
25	51 A	D 01 34 54.636	+48 22 32.65	- 1	+0.0066 -0	_		1	4.850	٠, ا	6.290	,	ĸ3III	i	37375		
26	55 A	D 01 50 16.819	1 +40 29 02.26		-0.0005 +0			7		- 1	0.2.0	- 1	GK1	ı	37587		1
27	56 A	D 01 53 10.560	+37 00 26.51		+0.0151 +0.	010 5.		2	6.73	2	7.64	2	KOIII		55107	Ď.	ļ
28	58 A	0 02 05 27.653	+37 37 22.80		+0.0133 -0.	036 4.		2	4.95	2	5.09	2	A5V		55289		1
29	59 A A		+38 48 16.40		-0.0013 -0.				6.030	- I		_	B9.5V	: [55330	D.	1
30	59 B A	02 07 51.149	+38 48 29.64	. I	-0.0008 -0.							1	A2	ı	55331	D	
31	63 A	02 17 38.721	+49 55 24.13		+0.0035 -0.	023 5.			5.440		Section 1		ASI	. 1	37960		ł
32	64 A	0 02 21 04.737	+49 46 51 65		+0.0025 -0.	035 5.		- 1		1			GBIII		38005		
33	65 A		+50 03 13.03		+0.0025 -0.	010 4.	70	2	6.23	2	8.13	2	K4III	- 1	23319		1
34	66 A	02 24 29.696	+50 20 51•15	1	+0.0038 -0.		14	- [- 1	- 1			DF1		23353		I
35	49 A A	01 27 05.505	+46 45 00.17			.03≎ 5•;	23	- 1	4 1 1 4	- 1			G9111		37275		I
36 37	6υ - Β Α	02 10 04.462	+43 59 53 73			008 4.						ı	K4III		37867	٧?	I
	62 - C A	02 16 02.464	+47 09 01.73		-0.0058 -0.					- 1		- 1	A1		37948	5.5	۱
38	R A	00 21 23.025	+38 18 02.28		-0.0007 -0.	1		2	9.36	2	10.61	2	S6-6E	1	53860	. V	Į
39 40	T A	00 19 46.432	+26 43 10.31		+0.0036 +0.			4		-1			M3E	4	73930	ν	١
	Z A		+48 32 31.54			003 9•		6	[ļ	PEC	6	53146	٧	۱
41	AB A		+36 37 19.19	1		059 9.		6	9.870	7		- 1	İ		73069	V	ı
42 43	9 AN AI BC AI		+41 30 01.04			007 5.					1	- [A3		528A1	V	١
44						012 8.		6				- 1	MC	6	52594	V	۱
45	BG A	23 28 34.006 0 02 05 59.307	+42 59 21.91 +40 33 28.27	- 1		036 9.		6				ı			53108	V	١
46	BZ A	0 00 34 53.184	+45 19 45.10	1	+0.0018 -0.			6				- 1	G0	6	37805	٧	ı
47	CC A	00 37 33 140	+42 00 30 58		-0.0010 +0.			2		_[MA	6	36522	V	۱
48	CD A	01 23 30.959	+44 05 51.37		-0.0021 -0.			6	9.130	7		ŀ			36605	V	ſ
49	CF A	1 23 01 22 04-729	+37 35 03.05	- 1	+0.0024 -0.			6		- 1		Į	F8	6	37207	V	ı
50	CG A	23 25 00 000	+44 58 30.09		+0.0015 -0.			٥		- [- 1	MC_	6	72968	V	ı
		7 23 30 031330	1 444 20 20 603	i	+0•0024 +0•	010 6.	57 i		6.300	- 1	. 1	- 1	AP		53568	٧	t

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATIO	N	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	> 2		B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	
51	CK	AND	23 10 39.88	9 +42 14 21.26		-0.0003	+0.028	9.1	6					a		52797	V	T
52	CR	AND		5 +46 20 32+68		-0.0002		8.9	6		1					38184	v	1
53	DV	AND		8 +38 06 24.21		+0.0026		8.4	6		1		1		1	72979	ľ	1
54	EF	AND		6 +46 16 52.28		+0.0011		9.4	6]			36559	ı v	1
55	ĒG	AND		8 +40 24 22.49		+0.0009		7.46		100				GM2E	7	36618	v	1
56	ĒĬ	AND		3 +45 12 56.35		+0.0030		6.3	4	6.260	7		ı	B9P	6	52876	v	1
57	EW	AND		2 +49 14 28 27		-0.0012		8.5	6	0.200	′		i	NB	6	53036	v	1
58	ĞĞ	AND		5 +46 49 51.92		+0.0007		8.8	6	100				IND	١٥	53195	V :	1
59		AND		0 +45 06 54.77		+0.0019		8.5	6				ľ		1	53474	V	1
60		AND		0 +29 28 34.47		+0.0031		5.17	١٥	100		100		Ам	1		1 '	١
61		AND		1 +44 43 48.35		+0.0065				6 46			1		1 -	74041	DV	1
62		AND		2 +32 09 41.58		-0.0017		6.14		6.16	7	100		A0P	7	36702	V	1
63		AND		6 +48 21 36.49		+0.0007			4	6.71	′		Ι.	AOP	ó	53921	V	١
64		AND		2 +29 07 27.06				8.5	6	0 000	-,	1 1		M7	7	53480	V	1
65		AND		0 +42 28 07.17		+0.0010			6	9.200	(100		A7	6	73952	V	1
66	the contract of the first of the contract of t	AND		3 +32 34 03.23					6			100			1	52542	V	1
67			27 12 21 00	6 +40 31 18.67		+0.0052			- 1			1.11				53603	V	1
68	The second secon	AND		6 +47 13 47.51		+0.0015		8 • 8	6	1.0			1	MD	6	52832	V.	1
				0 +45 26 06.36		+0.0002			6					M6	7	53416	V	١
69 70		AND				-0.0025		8.6	6		٠.				1	38115	٧	Ì
		AND		9 +38 57 33.76		-0.0400		9.5	6	100				N3	7	55730	V	١
71		AND		2 +47 19 05.91		-0.0014			6				١			53278	ν	١
72 73		AND	00 05 47.84	1 +28 48 52 12		+0.0104		2.060	1	1.950		1.480		B9P		73765		ı
		AND		6 +35 21 21.74		+0.0146		2.050		3.620		5,580		MOTII		54471	DV?	1
74		AND		7 +42 05 27.01		+0.0041		2.179		3.389		4.309		K3II	1	37734	D	1
75		AND		7 +42 05 31 35		+0.0033		4.979		6.189		7.109		AOP	1	37735	D	1
76		AND	00 36 38 83	8 +30 35 15.79		+0.0106		3.280		4.560		6.040		K3III	1	54058	D	Ì
77		AND		2 +29 02 26.12		-0.0174			2		2		2	GBIII		74164		ı
78		AND		8 +23 59 43.95		-0.0073			2		2		2	Kill	1	74267	DV	1
79		AND		7 +23 08 53.49		-0.0025			2	5.36	2		2	GSIII-IV	1	74388	İ	ı
80		AND		9 +38 24 14.90		-0.0044			2		2		2	A2V		53777		1
81		AIND		5 +42 59 28.21		+0.0026			2		2	3.90	2	B8V		53216	٧?	ı
82		AND		9 +44 03 25.16		+0.0075			2		2		2	887		53264	D	L
83		AND		0 +46 11 13.82		+0.0154		3.820		4.840		5.540		GBIII-IV		53204	V	1
84		AND		0 +38 13 42.99		+0.0129		3.870		3.990		4.140		A5V		54281	D	1
85		AND		0 +40 48 25 23		+0.0018			2		2		2	B5V		36699		
86		AND.	01 19 23.10	3 +45 16 02.86	1	+0.0030			2		2		2	KOIII-IV		37155		ı
87		AND		3 +42 03 25.11		+0.0019		3.620	1	3.530	1	3.000	1	B6P		52609	V	ı
88		AND		6 +33 26 39.75		+0.0013			2	4.20	2	3.65	2	B5V ·		54033	ח	ı
89		AND	00 18 28.79			+0.0051		5.10						F5IV		53828		1
90		AND		9 +36 30 29.75		-0.0052			2	4.57	2		2	A2V	2	53798	Λ5.	1
91		AND		5 +40 19 28+67		+0.0011		4.94	2	4.85	2	4.44	2	B8IV		37418	DV2	1
92		AND		2 +41 09 22.13		-0.0153			2	4.64	2	4.70	2	F8V		37362		I
93		AND		6 +46 58 32.80		+0.0009		4 • 25	2	4.18	2	3.84	2	B7V		36972	ם כ	
94		AND		3 +44 07 57.43		-0.0020		5.04		1.1			J.	GSII		37406		Ì
95		AND		5 +46 08 33.54		+0.0009	-0.000	4.96		6.100				G5IB		53355		1
96	48 OME	AND	01 24 39.15	5 +45 08 57.55		+0.0328	-0-100	4.83	2		2	5,25	2	F4IV		37228	D	ŀ
97	R	ANT		3 -37 29 09.78		-0.0012	-0.038		4			1 T T T T T T T T T T T T T T T T T T T		A0	4	201114	V	ı
98		ANT		8 -28 24 24 28		-0.0057		6.4		6.730	7			FO	' '	177619	V	ı
99		ANT		1 -36 23 34.78		-0.0009			7	9.770			100	G 5	6	200500	v	1
100		ANT		5 -39 18 12.87		-0.0028			2		2			NB	, ,	201533	v	ŧ

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	N N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAO CAT.NO.	STAP PROP.	1
		100	-34 59 16.97	-0.0011	-0.060	9.7	6							201722	٧	١.
101	Z ANT	10 43 40.327	-39 40 45 61		-0.012	9.4	7		•			MC	6	200536	V	i
102	RR ANT	09 33 30 17 0	-38 06 56.79		+0.032	8.6	6					F2	6	200776	V	
103	XX ANT	00 50 23.060	-37 51 00.31		-0.016	9.27	4					MB	6	200972	V	
104 105	YY ANT ALP ANT	10 24 51.646	-30 48 45.30		+0.009	4.25	2	5.70	2	7.33	2	MOIII		201405	V.5	
106	DEL ANT	10 27 17.057	-30 21 02.35		-0.004	5.56	2	5.52	2			89		201442	DV?	
107	EPS ANT	09 27 10.760	-35 43 54.93		-0.007	4 • 51	2	5.95	2	7.63	2	KAIII	1	200416	ם	
108	ZET- 1A ANT		-31 40 05.92		-0.031	6.35					1	AO AO	1	200444	n	
109	ZET- 1B ANT	09 28 36.972	-31 40 13.06		-0.029	7.21	ا ا		ا ، ا			FOM		200459	1 "	
110	ZET- 2 ANT	09 29 23.743	-31 39 02 14		-0.002	5.93	2	6.19 5.53	2			FOV	1	200926	n.	
111	ETA ANT		-35 39 03.66		-0.024	5.23 4.79	2	5.29	2	5.65	2	F 7	1	177908	D .	1
112	THE ANT	09 41 58.247	-27 32 23 32		7 +0 • 030	4.60	2	5.63	2	6.47	2	GSIII		201927	1.7	
113	IOT ANT	10 54 22.976	-36 52 06·90		-0.133 1 -0.015	5.0	1	3.00	-	""	-	GMO	1	257212	٧	
114	R APS	14 52 05.820	-76 27 40 · 64 -67 52 52 · 53		-0.002	8.4	6	l .					1	253891	ν	
115	DW APS	1/ 18 14-143	-78 50 05·62		-0.018	3.820		5.260	1	6.920	1	KSIII		257193	1	1
116	ALP APS BET APS	14 35 53.074	-77 25 00.28	-0.0859	-0.347	4.24	2	5.30	2	6.25	2	KnIII		257424	D	ľ
117	BET APS	16 25 42.782	-78 47 20 30	-0.0404	-0.069	3.880		4.790	1	5,410		KOIV		257407	l _	ı
118 119	DEL- 1 APS	16 12 48 049	-78 34 25 65		7 -0.037	4 • 67	2	6.36	2	8.04	2	MAIII		257380	D	1
120	DEL- 2 APS	16 12 54.659	-78 32 44 26		-0.024	5 • 27	2	6.68	2	8.30	2	K5III?	1	257381	ח	
121	EPS APS	14 16 13.098	-79 52 48 41		5 -0.012	5.06	2	4.96	2	4.40	2	B3V		257142		1
122	ZET APS	17 16 45 293	-67 43 16 • 64		5 +0.002	4.78	2	5.99	2	7.26	2	GK1	1	253882 258693		
123	ETA APS	14 11 48.968	-80 46 30 92		-0.059	4.91	2	5.16	2	5.27	2	A2P M4	1	257112	V	1
124	THE APS	14 00 23.288	-76 33 24.73		9 -0.035	5.5	٦	5.37	2	5.14	2	B8		257491	DV?	١
125	IOT APS	17 16 30.473	-70 04 26 01		8 -0.015	5.41 5.49	2	5.37	2	4.61	2	B3IV		257289	D	1
126	KAP-1 APS	15 26 01.065	-73 13 07.26		B -0.019 6 -0.028	5.65	2		2	5.23	2	Balv		257307	D	1.
127	KAP- 2 APS	15 34 45 861	-73 17 03·30 +00 18 33·97		5 -0.013	5.22	1	300-	-	"""	-	KIIII	1	126062	l D	
128	1 AQR	20 36 31 133	-05 48 52 80		+0.001	5.99	2	6.45	2	6.48	2	DF3	į.	144877	DV?	-
129	4 AQR 5 AQR	20 40 40 076	-05 41 44.64		1 +0.003	5.55	12	5.47	2	5.20	2	B8	1	144889	۸5	ı
130	5 AQR 7 AQR	20 54 11.949	-09 53 25.41		4 -0.008	5.68					1	GK5		144968	DA5	
131 132	8 AGR	20 57 10.041	-13 14 49.89	-0.002	3 +0.002	6 59	4					A3	4	164046		
133	9 AQR	20 58 23.090	-13 43 36 • 16	+0.000	1 +0.008	6.63	4				1	G5	4	164064		- -
134	10 AQR	20 57 54.16	7 -05 40 24.20		1 -0.009	5.58	4		1		1	AO	4	145021		-
135	11 AGR	20 57 55.883	5 -04 55 28.38		0 -0 - 134	6.26			1.	1	1.	61V 664		145065	D	-1
136	12 A AGR	21 01 26.06	-06 01 19.78		0 -0.006	5.89					1	A3	1	145064	l b	-1
137	12 B AQR	21 01 25.95	-06 01 22.00		0 +0.015	7.31	1,.	1				MA	4	145251	"	- 1
138	14 AQR	21 13 36.77	-09 25 26.51		7 +0.006	5.82	2	5.69	2	5.18	2	B7		145278		
139	15 AUR	21 15 33.726	-04 43 49.63		8 +0.020	5.87	2		2		2	667		145317		- 1
140	16 AGR		3 -04 46 24.00		0 -0.025	5.99	2		2	9.41	2	GMO	1	145351		- 1
141	17 AGR	21 20 15.49	2 -09 32 00.61 3 -13 05 37.46		0 +0.009	5.49	2		2		1.	A9III		164364	/ V.S.	- [
142	18 AQR		09 57 45.06		4 -0.169	5.70	2		2			A4		145382	1	-
143	19 AQR		2 -03 36 49.45		6 -0.049	6.36	2		2	6.82	2	GA9	1	145376	1	
144	20 AQR	21 22 40-51	-03 46 20.04		1 -0.070	5.69			1			GK4		145384	1 -	- 1
145 146	21 AQR 24 AQR	21 36 56 85	7 -00 16 41.20		4 +0.019	6.80	4				1	F8	4		D	-1
147	26 AGR	21 39 37.13	2 +01 03 24 10	-0.000	1 -0.003	5.67	2	7.11	2	8.78	2	GK4		126997		١
148	27 AGR	= 11 PEG						1		1		1		107275	1	-
149	28 AgR	21 58 31.49	8 +00 21 50.85		5 -0.008	5.58	2	6.86	2	8.26	2	GK4		127235 164830	l D	1
15n	29 A AGR	1	3 -17 12 21.87	+0.000	9 +0 - 004	7.15				1		A2	1	1 *0.4030	1 "	- 1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	(Dramt I	P	RA DEC PM PM	VISUAL MAG.	> 2	BLUE MAG.	B N	. • •	U N	SPECTRAL CLASS	S 11	SAO CAT.NO.	STAR PROP.	
151	30 AQR	22 00 38.685	-06 45 53.48		+0.0028 +0.009	5.54	2	6.50	2	7.23	2	65		145836		
152	32 AGR		-01 08 56 52	. 1	-0.0012 -0.047	5.31	2	5.54	2	5,69	2	: A M .	1.	145853		1
153	35 AGR	22 06 14.607	-18 45 54.59		+0.0001 -0.009	5.74		1.5				B3		164888		
154	36 AGR	22 06 48.305	-08 25 56 25	- , .	+0.0041 +0.051	6.99	4				-	G5	4	145905		1
155	37 AGR	22 07 51.820	-11 04 02.37		+0.0034 +0.029	7.03	4				1.	Ko	4	164907		ŀ
156	39 AGR	22 09 44.078	-14 26 26 99		+0.0017 -0.039	6.17				1.0		nF2	1	164923	V₽.	ì
157	40 AGR		-12 10 26.50		+0.0017 -0.018	7.06	4					G5	4	164935		1
158	41 AGR		-21 19 25.50		+0.0011 +0.069	5.45	1		•			KOIII	İ	190986	ס	1
159	42 AGR		-13 04 53.41		+0.0008 +0.009	5 • 55	ľ		1		111	GKO		164974	l	1
160	44 AgR		-05 38 15.02		+0.0002 +0.025	5.75	2	6.63	2	7.14	2	GG4	1	145993	. V?	1
161	45 AgR		-13 33 21.87		+0.0052 -0.009	6.09			-			GG7		164996		1
162	47 AGR	22 18 50 606	-21 50 58.35		-0.0006 -0.082	5.13		6.200	1			K2TII	1	191083		١
163	49 AQR	22 20 43.881	-25 00 57.72		+0.0076 +0.003	5.61						GG9		191105		1
164	50 AQR	22 21 46,442	-13 47 00 - 79		+0.0032 +0.013	5.92	1.		1			GG6		165044	ا م	Į
165	51 AQR		-05 05 26.02		+0.0020 -0.000	5.78	2	5.74	2	5,63	2	A0	1 .	146067	0	ı
166	54 AQR	22 24 02.388	-11 28 58 89		+0.0026 -0.008	7.02	4				1	A3	4	165127		
167	56 AQR	22 27 36.684	-14 50 31.30		+0.0025 -0.036	6.37	1.		1		1	A0	1			1
168	58 AQR		-11 09 44.89		+0.0049 -0.042	6.39			_			A7M		165147 146160		
169	60 AQR		-01 49 56 01		+0.0022 -0.035	5.89	S	6.89	2	7.62	2	666	4	165178		ı
170	61 AQR		-17 43 08.50		-0.0022 -0.039	6.81	4		1		٠,	K5	1 %	165217	1	
171	64 AGR		-10 17 18.75		-0.0031 -0.004	7.16	4			100 100		Gn	1 7	165248		
172	65 AQR	22 40 23.446	-10 21 54.38		-0.0004 +0.014	7.20	4		٦		١.	K0 B9	1 "	146273	1	
173	67 AuR	22 40 37.611	-07 13 31 • 07		+0.0016 -0.012	6.41	2	6.37	2	6.26	2	DF0	1	165308	1	
174	70 AGR		-10 49 12.64		+0.0022 +0.005	6.15	1	5.73	2	5.41	2	B9		165359		ľ
175	74 AQR	22 50 50 798	-11 52 58 34	7.	+0.0015 +0.004	5 81	2	3.73	16	3.41	٦.	Kn.	1	165366		
176	75 AQR		-12 27 23.02		+0.0032 -0.045	7•18 5•56	2	6.70	2	7.79	2	KZIII	"	165376	V?	
177	77 AQR		-16 32 15.15		-0.0156 -0.086 -0.0010 -0.034	6.19	2	7.47	2	8.88	2	GK3		146382		
178	78 AQR		-07 28 15.22		-0.0012 -0.007	6.21	2	7.62	2	9.39		GK5	1	146447		.
179	81 AQR	22 58 47.739			-0.0005 -0.033	6.15	2	7.73	2		2	GM2		146465	1	
180	82 AQR		-06 50 34.38		+0.0010 +0.002	7.0	1-	' ' ' '	1-	7.00	-	Κο	1	146500	l o	
181	84 AQR	23 02 42.418			+0.0008 +0.003	6.85	4	h. 19		1	Į.	An	1 4	146505		
182	85 AgR	25 05 16.432	-08 12 24.77		+0.0010 -0.050	7.35	4			1 1 1 1		AO	4	146515		
183	87 AQR		-07 57 52.95		+0.0202 -0.098	5.08	2	5.88	2	i .	1	G5IV-V		165625	D	
184	94 A AGR	23 10 20:940	-13 43 52·31 -13 43 38·44	ı	+0.0210 -0.088	7.6	-	1 3.0-	1-		į į	K2V	1	165624	D	
185	94 B AQR	23 16 20 104	-05 23 52.39		+0.0133 -0.016	5.55	2	5.94	2	5.94	2	F2	1	146639	D	
186	96 AQR 97 AQR		-15 18 50 . 34		+0.0075 +0.022	5.20	2		2			A3		165658	D	
187		23 20 024021	-21 38 44.06	1	-0.0003 +0.007	6.24			1			A7N	I.	191970		
188	100 AQR	23 29 59.073	-18 18 12.73		-0.0029 -0.067	5.60			1			GK5		165834		
189	103 A-1 AQR 104 A-2 AQR	23 30 301313	-18 05 38.16	1	+0.0009 +0.008	4.84	2	5.65	2	6.14	2	GOIB	1	165836	V?	
190	104 A- 2 AQR 98 -B- 1 AQR	23 20 20.779	-20 22 25.51		-0.0087 -0.090			5.080	1	6.030		KOIII		191858		
19 ₁	99 -B- 2 AQR		-20 54 58 53		-0.0038 -0.054			5.870		7.670		K5III		191900	1 _	
193	101 -B- 3 AQR	23 30 39.734	-21 11 27.66		-0.0006 +0.017	4.720		4.740		4.750		A1		191988	D	
194	86 -C- 1 AQR		-24 00 49.12		+0.0048 +0.001	4.480	1	5.380	1	5.970		GG9		191651	0	
195	88 -C- 2 AGR		-21 26 38.94		+0.0038 +0.036	3.640	1	4.870	1	6.090		KOIII		191683		
196	89 -C- 3 AQR	23 07 14.783	-22 43 43.97	1	+0.0018 -0.005	4 • 680	1	5.320	1	5.700	1	5GG2+A2	1	191687	םן	
197	25 -D AQR	21 37 01.044	+02 01 04.24		-0.0019 -0.081	5.16				1		KOIII		126965		Ì
198	38 -E AQR	22 07 57-179	-11 48 41.98		+0.0020 +0.012		1	5.340				Bellis		164910	1 1	
199	53 -F- 1 AQR	22 23 51.382	-16 59 46.26		+0.0181 -0.010							DG1		165077	D .	
200	53 -F- 2 AgR	22 23 51 650	-16 59 50.22	1	+0.0154 +0.000		1	1	1.	1	1	DG2	1	165078	D	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

IUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC		P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S	SAO CAT.NO.	STAR PROP.	
201	66 -G- 1 AgR	22 40 53.937	-19 05 33.20		-0.0020	-0.024	4.69	2	6.05	2	7,61	2	K4III		165252	٧?	T
202	68 -G- 2 AGR		-19 52 28.69		-0.0072		5.26	_	6.200			_	G7111	4.	165293		1
203	83 -H- 1 AGR		-07 57 50.40		+0.0085		5.43	2	5.73	2	5.80	2	F2V		146498	n	1
204			-09 16 28 44		+0.0041		5.75	2	6.92	2	8.07	2	GKO		146953	l "	.]
			-18 33 16.30		+0.0019		5.24		5.150		8.07	-	ESV		165854		- 1
205								2	5.57	2			A5		165867	D	
206	107 -I- 2A AGR		-18 57 22.27	I	+0.0093		5.29		3.57	[-							
207	-I- 2B AQR		-18 57 26.72		+0.0114		7.0	4					A5	4	165868	י י	
20B	108 -I- 3 AGR		-19 11 13.92	1	+0.0013		5-17	2	5.04	2			B9P	7	165918	V	
209	3 -K AQR		-05 12 43.27	1	-0.0001		4.44	2	6.11	2	8.04	2	M3III		144814	V	
210	R AGR		-15 33 41.79	:	+0•0020		5.8					1	GM7EP		165849	V	
211	5 AQR		-20 36 38.97	ŀ	+0.0014	-0.040	8.0	4	1.5			1	M4E	4	191516	V	
212	T AQR	20 47 18.050	-05 20 01.14		-0.0011	-0.011	6.8	4	100				M3E	4	144854	V	
213	- V AQR	20 44 17.727	+02 15 11.94		+0.0009	+0.001	7.8	4	100				M6E	4:	126200	V	
214	Z AQR	23 49 40.068	-16 ₀ 7 57•32	1	+0.0003		9.2	6			# 1	l	M2E	6	165928	٧	
215	AB AQR		-14 17 52.56		+0.0006		9.1	6							165212	V	
216	BL AGR		-02 11 10.15	1	-0.0006		9.7	6			1.1		K2	6	145222	V	
217	BS AQR		-08 25 24.54		+0.0008		9.2	6	8.810	7			F2	6	146923	V	
218	DV AgR		-14 40 38.00	1	-0.0031		6.01	2	6.24	2		1	A3		164027	V	
219	29 DX B AQR		-17 12 24.16	1	+0.0010		7.4	4							164829	עת	
220	DZ AQR		-07 51 38 35	1	-0.0003		7.9	6		1			MB	6	146043	V	
221	land the second of the second		-20 07 05.53	1	+0.0035		8.0	6					FO	6	191236	V	
222			-01 33 53.97		-0.0003		6.55	2	6.84	2	6.89	2	Fn	6	144941	v.	
		= 3 -K AQR	-01 33 33.51		0.0000	10.020	0.33	-	0.64	-	0.03	۱- ۱	1.7		147241		
223	EN AQR		-02 26 40.90		+0.0015	.0.005	7.16	4	8.65	7	77.0		MBIII	7	145652	v	
224	EP AQR				+0.0013		9.0	6	0.00	′ ′			M2	6	165473	v	
225	EQ AQR		-16 16 45.22	١.				5	8.74	7		l	M3	6	191638	Ů	
226	ER AQR		-22 45 25.15		+0.0032		7.72			7						V	
227	ES AQR		-23 49 56+68	1	+0.0021	-0.006	9.4	6	10.85	1	er i		МЗ	6	192052	Į v	
228	ET AQR	= 108 -I-3 AQ		"				الما				[l			V	
229	RT AQR		-22 18 35.64		+0.0023		9.2	6					м5	6	191102	1 .	
230	RU AQR		-17 35 38 10		+0.0014		8.8	6					M4	6	165676	V	
231	RX AQR		-14 35 54.87		+0.0028		8 • 8	6	1000				M5	6	164218	٧	
232	RY AQR		-11 00 54.45		+0.0036		8.8	6					A3	5	164320	V	
233	ST AQR		-07 12 59 69	1	+0.0037		9.0	6					F0	6	146035	V	
234	SZ AQR	22 40 07.684	-21 26 27.81	1	+0.0004	+0.007	8.8	6					K5	6	191345	V	
235	TT AQR	22 52 18.396	-09 38 29 00	1	-0.0002	-0.011	8.9	6			1		МВ	6	146384	V	
236	XY AQR	23 18 44,752	-17 47 25.68	1	+0.0017	-0.012	8.8	6				1	GO	6	165644	V	
237	34 ALP AQR	22 03 12.946	-00 33 48.59		+0.0011	-0.004	2.930	1	3.900	1	4,670	1:	G2IB		145862	1	
238	22 BET AGR		-05 47 31.68		+0.0013	-0.005	2.870	1	3.710	1	4.280	1	GOIB	100	145457	ס	
239	48 GAM AOR		-01 38 23.77		+0.0086		3.840		3.780	1	3,650		B9III		146044	DV?	
240	76 DEL AGR		-16 05 13.92		-0.0029		3,280		3.330		3,410		A3V		165375		
241	2 EPS AQR		-09 40 48-21	1	+0.0022		3.770		3.770		3,790		AIV		144810	1	
242	55 ZET- 1 AGR		-00 16 35 27	1	+0.0119		4.501		4.881		4.871		F2IV		146107	ם	
243	55 ZET- 2 AQR		-00 16 36.08	1	+0.0138		4.331		4.711		4.701		FZIV		146108	Ď	
244	62 ETA AGR		-00 22 32.77		+0.0059		4.000		3.900		3.620		88V	1	146181	I	
			-08 01 58.75		+0.0079		4.15	2	5.14	2		Ž	G8111-1V	l	145991	İ	
245	43 THE AGR				+0.0077		4.25	2	4.18	2		2	Bav		164861		
246	33 IOT AGR		-14 06 46.98								1	2		١.		1	
247	63 KAP AQR		-04 29 11.39		-0.0047		5.03	2		2			K2III	ľ	146210	1	
248	73 LAM AGR		-07 50 46.15		+0.0005		3.790		5.440		7.200		MSIII		146362	V?	
249	6 MU AQR		-09 10 19.76		+0.0028		4.73	2	5.05	2	5.15	2	A M		144895		
250	13 NU AOR	21 06 52.308	1-11 34 31.13	1	+0.0062	I-0.014	4.52	2	5.46	2	6.13	12	GSIII		164182	i e	

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR Designation	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	1 0/	N		B N	MAG.	U N	SPECTRAL CLASS	S N	CAT-NO.	PROP.	N
		21 35 05.459	-08 04 45.93	+0.0076	-0.023	4.69	2		2		2	A7V	1	145537 145837	٧?	
251	23 XI AGR	21 33 03.439	-02 23 51.13	+0.0011		4.69	2		2		2	B8VE B1VPE	1	127520	•	
252	31 OMI AGR	22 00 43.382	+01 07 22.87	+0.0012	+0.005	4 • 64	2		2		2		. 1	146023		
253	52 PI AGR	22 22 73.302	-08 04 22-44	+0.0009	+0.002	5 • 37	2	5.31	2		2	BBV Aniv		165134		1
254	46 RHO AQR	22 28 00.124	-10 56 04.11	+0.0000	-0.027	4.81	2		2	4.59	2	B9		165298	מ	1
255	57 SIG AQR 69 TAU- 1 AQR	22 45 03.557	-14 19 13 84		-0.006	5•70	١. ا	5.650		7.510	,	MOIII		165321	٧?	
256 257	71 TAU- 2 AGR	22 46 56.751	[-13 51 25·17]		-0.033	3.980		5.570 5.65	2	7.510	*	F3V		191235	100	
258	59 UPS AGR	22 31 57.688	[-20 57 53•86]		-0.142	5.21	2 2		2	7.64	2	MZIII	1	146585		1
259	90 PHI AGR	23 11 43.976	-06 19 07·92	+0.0025	-0.192	4.22			2	8.26	2	GM5		146612	٧	
260	92 CHI AGR	1 23 14 15.451	I-07 59 58·34		-0.011	5.06	2		2	6.37	2	KOIII	7	146598	ו מ	
261	91 PSI- 1 AGR	23 13 16.342	1-09 21 37.71		-0.012	4.25	2	4.26	2	3.72	2	B5V		146620		1
262	93 PSI- 2 AGR	23 15 18.318	1-09 27 20 71		-0.008		2		2		17	AOV		146635	DV?	
263	95 PSI- 3 AGR	23 16 21 648	-09 53 03.68		+0.003	5.00	-	5.240	-	1 : 2	1 1	A5		165818		1
264	102 OME- 1 AGR	1 23 37 11.538	-14 29 54 40		-0.034	4.51	2	4.47	2	4.34	2	B9.5V		165842	D	1
265	105 OME- 2 AUR		-14 49 17.44	+0.0000	-0.063	7.31	-		Ι			THE STATE OF THE STATE OF				
266	1 AQL	= ALP SCT														
267	2 AGL	= DEL SCT				1						. 4 4 1		l		
268	3 AQL	= EPS SCT		40 0004	-0.017	4.99		4.920				B9V		123879	_V?	1
269	4 AQL	18 42 18.44	+02 00 27 21		-0.021	5.64	2	5.78	2	5.86	2	A M+AM		142606	D	1
270	5 AQL		-01 00 57.14	10.000	1 0.02									142696		.
271	6 AQL	= BET SCT	-03 19 13-17	-0-0033	-0.053	6.89	4		1			A2	4	142706	ļ	1
272	7 AQL	18 48 20.03	-03 22 40 70	-0.0002	-0.025	6.04	l				1	A3		142790		1
273	8 AQL		1-03 2E 40.10				1		l				-	104303	V	-1
274	g Agl		2 +13 50 16.88	-0.000	3 -0.051	5.90		6.140			1	A4P	7	104308	DV3	
275	10 AgL		+13 33 15.97		8 -0.122	5.22	2	5.75	2	5.82	2	F8IV		124318	""	
276	11 AQL		6 +05 59 35.32	-0.000	B -0.075	5.29	1		1			DF2 B3IV		143134	V?	1
277	19 AGL		6 -08 01 28.93	+0.000	9 -0.007	5 • 37			١.		2	BBII-IIIP	7	124408	עם	- {
278	1		3 +02 12 25.96	+0.000	5 +0 • 003	5.16	2	5.09	2	4.67	-	A2.	٠.	124455		
279		10 14 02.48	6 + 04 44 42 • 26	+0.000	8 -0.015	5•38					1	K2II-III		124487	DV?	- J
280		_ ~~ ~~	2 +00 59 34 10	+0.000	5 +0.020	5.15	1		1		1	669	1	124492	Į.	- 1
281		19 16 17.40	4 +00 14 47 21		6 +0.013	6.34					ì	DF1	1	143621	ı	- {
282 283	24 AQI 42 AQI	19 35 08.14	9 -04 45 38•28		9 -0.050	5.52		1.0				A2	1	143678	0	
284	45 AGI	1 19 38 08.77	2 -00 44 18•60		0 +0.017	5.52		6.230				BBIII		105156		
285	46 Agi	19 39 52.00	7 +12 04 28 62		3 -0.002	6.24	1	0.250	'			FOIV	1	163036	ס	
286	51 AGI	19 48 01.76	2 -10 53 30.81		1 +0.034		1		1			GK5	1	143894		
287	56 AQI	19 51 25.49	3 -08 42 19.98		1 -0.018	6.02 5.70	2	5.62	2	5.13	2	B5N		143898	. ס	1
288	57 A Agi	19 51 55.25	6 -08 21 32.32		4 -0.024		2		2		2	BBN	1	143899	ם	
289	57 B AQ	19 51 55.68	6 -08 22 07.69		2 -0.026		16	0.4	-	. 0.2		AO		125219		
290	58 AQ	1 19 52 11.09	3 +00 08 29 86		6 -0.010		2	6.98	12	8.33	2	GK4	1	144045		
291	62 AQ	20 01 48.61	4 -00 51 00.41		0 -0.116 5 -0.068		2		2		2	GK1	1	144095	1	
292		1 20 05 26.89	9 -00 49 24 60		3 -0.026		1		- -			GK5		144181	1 _	
293	66 AQ		6 -01 09 37.85		3 -0.013		1	5.960) c		1.	В9		144468	מ	-
294	68 AQ		2 -03 31 27.17		6 -0.017	. 1 2			1			K2III	1	144495		- 1
295		L 20 27 02.21	3 -03 03 11.13		3 -0.001							K4III	1	144624	DV?	,
296		L 20 34 07.40	7 -02 43 27.16		8 -0.019			5.29	12	2 5.98	2	GBIII	1_	144649		
297			9 -01 16 51.96		4 +0.022		1.			1		F2III	7		_	, [
298		L 19 17 19.2	1 +12 16 51 58		2 +0.640		2			2 6.36		GBIV	1	104807		ļ
299 300		L 19 22 35.0	96 +11 50 09·47 55 +01 50 48·66		4 -0.031		2	5.88	12	2 5.95	2	AO	1	124675		

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	STAR	RT. ASCEN.	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N		B N	•	U N	SPECTRAL CLASS	S N	SAD CAT.NO.	STAR PROP.	1
IUMBER	DESIGNATION	HR MN SEC	DEG MN SEC N	PM	r,m	HAG.		MAG	-	MAG.	-	CEASS	 			+
301	27 -D AgL	19 18 00.843	-00 59 11.83	+0.0002	+0.007	5.49	2	5.45	2	5.22	2	B9		143292		1
302	36 -E AGL	19 28 02.906		+0.0012	-0.006	5.22	4.				i.	MIIII	1	143482	V.2	1
303	26 -F AgL	19 17 52.720	-05 30 38 65	+0.0075	+0.048	5.10		2.				GSIII-IV		143286		-
304	14 -G AGL	19 00 16.464	-03 46 22.86	+0.0013			2	5.42	2	5.35	2	A0		142959	l n	1
305	15 -H AQL	19 02 19.217		+0.0011		5.53						GK1		142996	1''v2	1
306	12 -I AQL	18 59 00.591	-05 48 39 65	-0.0015		4.020	1	5.110	1	6.150	1	KIIII	1	142931	\ v.	1
307	37 -K AQL	19 32 21.954	-10 40 16 41	+0.0005		5.24				1.5	١.	GSIII		162792	V	ļ
30g	R AQL	19 03 57.671	+08 09 10.25	+0.0002		5.5				100	1	GM7E	1	124266	V	١
309	5 AoL	20 09 19.377	+15 28 13.07	+0.0013		8•4	4					1	1 _	105807	, ,,	-
310	T AGL	18 43 20.040	+08 41 22+56	+0.0002	+0.019	9.0	6					M2	6	123894	V	. 1
311	U AGL	19 26 39.930	-07 08 53 40	+0.0014	+0.003	6.20		7.300				G4	100	143454	DV	٠
312	V AGL		-05 45 38 19	+0.0011	-0.005	6.7				a se gala s		C6=4	1 .	142985	V	
313	W AQL	19 12 41.684	-07 08 08·41	+0.0020	+0.008	7.7	4					SE	4	143184	V	-
314	18 Y AGL	19 04 37.312	+10 59 34.30	-0.0002	-0.028	5.16		5.070	1			B7V	I.	104488		-
315	Z AQL		-06 18 16 84	-0.0041	-0.013	9.8	6					K	6	144210	V	١
316	FF AQL	18 56 01.162	+17 17 32-43	-0.0003	-0.007	5.40		6.060				F5		104296	DV	-
317	FM AQL	19 06 54.029	+10 28 16.25	-0.0013	+0.004	8.6	6	9.700		1.0	١.	K0	6	104533	V	ı
318	FN AGL		+03 28 18 97	-0.0001		8•6	6	9.650	7		ı	G5	6	124392	V	-
319	HK AQL		+00 06 20 18	-0.0008	-0.016	8•5	6					K5	6	123824	V	
320	KN AOL		+01 42 29.28	+0.0004	+0.006	8.9	6		1		1	мВ	6	125873	V	
321	KO AOL	18 44 49.343	+10 42 30 • 19	-0.0001		8.5	6					AD	6	104094	V	- 1
322	KP AQL	19 00 14.324	+15 43 35.93	-0.0002	+0.006	9•1	6					A3	6	104391	V	-
323	OO AOL	19 45 48.347	+09 11 01.52	+0.0044		9•0	6					G5	6	125084	V	-
324	QS AQL		+13 41 53.57	-0.0003	-0.014	6.1						B3	l .	105132	עם	
325	RW AGL	20 09 33.665	+15 54 33.73	-0.0000	+0.007	9•1	6						1 .	105818	V	
326	SZ AGL		+01 13 48 66	+0.0001	+0.003	8.7	6	9.740				К2	6	124227	V	١
327	TT AGL		+01 13 06.96	+0.0003	+0.009	7.7	4	8.660	7			G5	4	124305	V	1
328	TZ AQL		-04 55 22.71	-0.0004	-0.021	9.0	6		1			MC	6	144506	V	
329	XZ AGL		-07 30 41.15	-0.0001	-0.017	9.4	6		1	1		A2	6	144345	V	١
330	V 337 AQL		-02 06 18.12	-0.0015	-0.006	8.5	6	77.44		1		B3	6	142979	V	1
331	V 342 AQL	19 14 39.912	+09 15 13.32	-6.0004	+0.015	9.1	6		1			F0	6	124466	DV	1
332	V 346 AgL		+10 12 05.98	+0.0004	-0.002	8.6	6					AO	6	105774	V	- 1
333	V 417 AQL		+05 43 38.50	-0.0006	-0.007	10.0	6		1		ľ	Gn	6	124824	V	1
334	V 450 AQL		+05 21 23.91	-0.0011	-0.025	6.73	4		1		l	MB	4	124789	V	- 1
335	V 496 Agi		-07 31 04.34	+0.0008	-0.002	7.9	6	8.960	17		1	G5	6	143063	V	-
336	V 584 Agl	20 07 54 353	-01 46 35.73	-0.0011	-0.010	9.2	6		1			MB	6	144135	V	
337	V 599 AQL	18 59 48 032	-10 47 41.41	-0.0009	+0.006	6 • 68	4				1	B5	4	162122	ν	.]
33 ₈	V 805 Agl		-11 43 35.61	+0.0044	-0.025	8.2	4					A2	4	162189	V	1
339	V 822 Agi	· · · · · · · · · · · · · · · · · · ·	-02 12 59.83	-0.0005	+0.002	6.73	4					B8	4	143494	DV	-
340	V 840 AQL		+06 37 53.83		-0.025	9.0	6			1	1	A2	6	124093	V	
341	V 842 Agi		+02 32 18.96	+0.0002	+0.012	8.9	6	1				MA	6	124413	V	
342	V 843 Agi		-06 52 28.73		-0.007	9•3	6					B9	6	143004	l V	ļ
343	V 889 AQI		+16 09 27.96		-0.004	8.2	6					A	6	104708	V.	ı
344	V 913 Agi		+10 34 07.35	+0.0004	-0.007	8 • 2	6			1		MB	6	104242	V	
345	V 915 Agi		+12 10 41.10	-0.0006	-0.019	8.5	6	1			1	MB	6	104407	V	
346	V 923 Agi		+03 20 19.11		+0.007	6.32		1				AOP	1	124704	V	
347	V1162 Ag		-11 29 46.22	+0.0013	+0.021	8.2	6					G5	6	163067	ļ V	-
348	V1182 Ag	18 53 00.019	+09 16 53 47		+0.000	8.7	6			1 1 1 1 1 1	1	09+B3	7	124049	V	ı
349	V1208 Ag						1		1 .		1		1			
350	V1286 AG						1		1		1]	l	
220	7.200	-				1.00	1	1	4	1	1	1	1	L	<u> </u>	_

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	107-	N		B N	~ .	N N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	L
351	V1288 AgL	= 21 AGL						5.84				A5P	7	143883	V	l
352	V1291 AGL	19 50 41.602	-03 14 43.33	+0.0014		5.64	4	3.67		100		MSIII	7	124777	V	1
353	V1293 AQL	1 19 30 39.373	+04 55 14•55	+0.0006			4	6.80	7			BIIVEV	7	124788	ν	ı
354	V1294 AGL	19 31 07.185	+03 39 07.84	+0.0013			6	0.00	1			AOEP	7	125381	V	Т
355	V1295 AGL	20 00 34.435	5 + 05 35 49 65	-0.0001				0.980	. 1	1.070	,	A7V		125122	D	ļ.
356	53 ALP AGL	19 48 20 590	1+08 44 05•71	+0.0362		•760		4.580		5.070	1	GBIV	1	125235	.5V2	ı
357	60 BET AGL	19 52 51.383	+06 16 49.84	+0.0029		3.720				5.920		K3II		105223	1	١
358	50 GAM AGL	19 43 52.907	7 +10 29 24 38	+0.0011		2.720		4.240		3.720		FOIV		124603	٧?	1
359	30 DEL AGL	19 22 58 597	71+03 00 48•981		+0.083	3 • 360		3.680		6.140		KZIII		104318		١
360	13 EPS AQL	18 57 21.119	9 +14 59 56•41		-0.073	4.020		5.100		2.990		AOV?NN	1	104461	D	I.
361	17 ZET AGL	19 03 06.648	3 +13 47 15.86		-0.095	2.990		3.000		4.800		FAIB	1	125159	V	1
362	55 ETA AQL	19 49 55.525	5 +00 52 33•23		-0.006	3.600		4.270				89.5111	ŀ	144150		1
363	65 THE AGL	20 08 43.494	4[-00 58 16•06]		+0.007	3.220		3.150		3.030		BSIII	1	143597	DV?	1
364	41 IOT Agl		7 -01 23 55.88		-0.016	4 • 36	2	4.27		3,83	2	B0.5III	1	143600	V?	1
	39 KAP AGI		2 -07 08 24.73	+0.0000	-0.004	4.96	2	4.96	2		2		111	143021		1
365		10 03 35.68	8 -04 57 32.74	-0.0014	-0.088	3.430	1	3.340		3,070		B93A5N		124799	D#?	ı
366		1	2 +07 16 16 89	+0.0144	-0-157	4 • 45	2	5.63	2		2	KSIII			1 25	١
367	38 MU AGI		2 +00 14 14 84	-0.0002	+0.003	4 • 67	2	5.27	2	5.78	2	F2IB		124628		1
368	32 NU AQL	10 51 49 43	+08 19 50 59		-0.079	4 • 68	2	5.73	2	6.62	2	KOIII		125210		١
369	59 XI Agl		7 +10 17 21.17		-0.138	5.10		I				F8V	1	105338	D	1
370	54 OMI AQL	til Till til and a see a see a see a see a see a see a see a see a see a see a see a see a see a see a see a s	9 +11 41 24.51		-0.002	5.61			1			DF2+A2		105282	DA5	١
371	52 PI AQI	19 46 20.63	415 02 30 36		+0.057	4.95	2	5.04	2	5.05	2	A2V	1	105878	l	1
372	67 RHO AQL		6 +15 02 38 36		+0.001	5.0		5.040	7			B3V	1	124903	DV	1
373	44 SIG AQI	1 5 2 2 2 2 	7 +05 16 56 88		+0.013		2	6.58	2	7.44	2	GKO		125403		1
374	63 TAU AQI	20 01 41.74	5 +07 08 07.87		+0.004	5.91	2	6.09	2	6.18	12	A2		125032		-
375	49 UPS AQI	19 43 13.91	7 +07 29 26.45		+0.009	5.23	_	5.210				A1V	1	105438	1 _	1
376	61 PHI AQI	19 53 52.11	1 +11 17 22.88		-0.005	5.22			ľ		1	DF3+A3		105168	DV?	-
377	47 CHI AQI	19 40 12.76	6 +11 42 27.07		-0.004	6.12		6.080	1		1	BBIV		105199	1	
378	48 PSI AQ	19 42 14.52	3 +13 10 53.69			5.06		0.00	1	1	1	A3		104691		-1
379	25 OME- 1 Ag	19 15 28 10	7 +11 30 13.93		+0.016	5.99	1	6.060	1.	1	1.7	VEA		104728		- 1
380	29 OME- 2 AG	19 17 31.89	9 +11 26 27.55		7 +0.027	6.8	4		1		1	В9	4	244037	V	1
381	R AR	16 35 34.79	9 -56 53 45.99		0 -0.005	7.6	5		1	1		AO	5	244859	V	Į
382	RW AR	17 30 32.76	2 -57 06 50 86	+0.001	1 +0.013		6		1		1	AO	6	228414	V V	
383	UW AR	17 43 44.76	1 -48 43 47.02		1 -0.023	9.6	6		ľ	1		A3	6	253639	l v	
384	V 349 AR	16 34 56.59	2 -60 51 46 86		2 -0.015	8.7	6		1			A3	6	244895	V	- 1
385	V 535 AR	17 33 50.72	21-56 47 28.93		0 -0.033	7.5	6					В8	6	245031	V	- 1
386	V 537 AR		6 -54 41 10.73	-0.001	9 -0.005	8.5	۱۳		ŀ	100		"	1 .		1	Į
387	V 539 AR	A = UPS-1 ARA				1	6		1.			F0	6	244209	V	-
388	V 610 AR	16 47 58.53	1 -57 10 41.03		1 +0.041	9.1			1		1	B5	6	227631	l v	
389	V 616 AR		1 -46 56 13.24		6 -0.003	8.0	6		1			AO	6		V	
390	V 620 AR	4 17 43 00.10)6 -56 g4 52∙86		6 -0 • 0 3 4		6		-	0 00	7	GM3	١ ۲	244954	V	
391	V 626 AR	4 17 38 09.23	84 - 50 29 10 • 49		8 -0.011	6.23	۱.	7.93	.1:	9.89	J	B2.5V	1	228069	D	·
	ALP AR	A 17 27 58.35	531-49 50 19.601		5 -0.071							K3IB	1	244725	1 -	
392	BET AR		4 -55 29 06.10		1 -0.024									244726	ם	
393			2 -56 19 58 85	+0.000	3 -0.011	3.330						BIIII		253945	1 6	
394	GAM AR		3 -60 38 40.90		5 -0.094							BBV	1	244331	"	
395	DEL AR	فيو حسيست ال	53 -53 05 09.07		8 +0.015		12	5.51	2	7.22	2	K3III		244381		
396	EPS- 1 AR		96 -53 09 51.06		1 -0.143		1					DF7				
397	EPS- 2 AR		22 -55 54 48.63		6 -0.035	1 .	0 1	4.740	0 1			KSIII		244315		
398	ZET AF		22 -33 57 40 63		3 -0.031	1 1 2 7 7 .			0 1	7.25	0 1	KSIII	- 1	244168		
399	ETA AF	A 16 45 2/.40	05 -58 57 16·37 29 -50 05 49·53		1 -0.017							B0.5II	1.	245242		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

IUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	MAG.	U N	SPECTRAL CLASS	5 N	SAO C.T.NO.	STAP PROP.	
401	IOT ARA	17 19 30.584	-47 25 16.27		-0.0008	-0.015	5.25	2	5.14	2	4,33	2	B3NE	1	227886	D	1
402	KAP ARA	17 22 05.765	-50 35 24.35		+0.0010		5.23	2	6.29	2		Γ.	KIIII		244734	l "	1
403	LAM ARA	17 36 31.762	-49 23 12.97	1	+0.0081		4.77	2		2	5.13	2	DF4		228257	100	ı
404	MU ARA	17 40 10.270	-51 48 35.06		-0.0014			2	5.85	2	0.10	Γ.	G5V		244981		1
405	PI ARA		-54 28 09.24	l	-0.0041			2	5.45	2		1	AZV	100	244896	14	1
406	SIG ARA	17 31 55.972			-0.0027			2		2	4.47	2	AO		228162	1	ı
407	UPS- 1 ARA	17 46 23.999	-53 35 53.16			-0.004	5.90		'••	-	***		B3V		245065	עם	1
408	UPS- 2 ARA		-53 07 01.90	1 1	1	-0.011	6.40				1	1	AO		245072	, UV	-
409	1 ARI	01 47 22.425	+22 01 40.32		-0.0012			2	6.60	2	7.10	2	KOIII		74966	ח	-
410	3 ARI	F VY PSC	1 7 7 7		1 0000	0.00	3.00	7.1	0.00	-	1.10	 	NOTE:		17300	l ''	1
411	4 ARI		+16 42 26.49		+0.0036	-0-031	5.75		5.720				B9.5V	F	92637		Į
412	10 ARI		+25 41 44.23		+0.0099		5.54		3.720		A		DF4		75114		
413	li ARI		+25 28 01.65		+0.0013		5.99		5.970				B8V	į	75149	0	1
414	14 ARI		+25 42 15.50	1	+0.0056		5.01		3.970		100		F2III	1		''	1
415	15 ARI		+19 15 55 60		+0.0062		5.76						GM3		75171		1
416	16 ARI		+25 42 07.42		-0.0005		6.03				1.7				92822		ı
417	19 ARI		+15 02 47.28		+0.0066			2	7.25	9	0 30	,	GK4		75188	115	١
418	20 ARI		+25 33 07.22	l	+0.0130					2	9.20	2	MOIII		92841	۷۶	١
419	21 ARI		+24 48 44.52		-0.0065		5.79 5.57	2	6.23	2	6.27	2	DF3		75239	100	Į
420	23 ARÎ		+19 27 35.85		-0.0014		6.84	4	** * P.				DF4	i	75238		1
421	25 ARI		+09 58 38•74	1				4					F8	4	92884		1
422	27 ARI		+17 29 01.64		+0.0021		6 • 54		7 . 2		-	_	G0	4	110537	5	1
423			+14 48 51 67			-0.081	6.23	2	7.13	2	7.68	2	KOIII	İ	92983		ı
424			+24 25 51.35		-0.0014		6.01		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1.5		DF7		92998		١
425					+0.0100		6 • 57						DF5	1	75471	. Ú	١
	30 B ARI		+24 25 54 18		+0.0105		7.37			1. 1	1.43		DF6	1.1	75470	ח	1
426	31 ARI		+12 13 55.04		+0.0189		5.64						DF5		93022		ı
427	33 ARI		+26 50 50 75		+0.0050		5.29		5.380			_ :	A3V		75510	D	ł
42g	35 ARI	02 40 30 631	+27 29 44.29		+0.0006			2	4.54	2	3.91	2	B3V		75532		١
429	36 ARI	02 41 31 303	+17 33 12.67		+0.0027		6.34						GK2		93081		ı
430	39 ARI	02 44 55.468			+0.0114			2	5.63	2	6.66	2	Kill		75578		١
431	40 ARI	02 45 43.579			+0+0031		5.87						GK1		93118	- V?	1
432	44 ARI	02 52 06.726	+17 31 57.71		+0.0025			4				i	A3	4.	93178	100	1
433	47 ARI	02 55 13,168			+0.0166			2		2	6.22	2	DF5		75662		1
434	49 ARI	02 58 56 987	+26 15 56.98		-0.0011		5 86	. 1	6.000				AM	100	75693		1
435	51 ARI	02 59 27.740			+0.0176			4					GO	4	75696	100	1
436	52 ARI	03 02 30.350			+0.0002		5.36	- 1	5.340				B7V	1 1	75723	D	1
437	54 ARI	03 05 30.787			+0.0033		6.34	- 1				:	GMO		93293		ı
43B	55 ARI	03 06 35.839	+28 53 15.10		+0.0015		5.62		5.750				B7V		75757		I
439	59 ARI	03 16 56.244			-0.0019	-0.072	5.86						GG5		75863		1
440	62 AKI	03 19 11.403	+27 25 45.84		+0.0007		5 - 54	ı					GG5		75892		١
441	63 ARI	03 19 52.271			-0.0031		5.14						K3III		75899		1
442	64 ARI		+24 32 54.53		+0.0009	-0.043	5.58	- 1				. 3	GK4		75912		1
443	65 ARI	03 21 32.793	+20 37 38 96		-0.0001	-0.004	6.03		5.980				AOV		75915		1
444	66 ARI	03 25 30.857	+22 37 59.76		+0.0000		6.00			ļ	1200		GG6		75945	D	I
445	41 -C- 1 ARI		+27 03 20.55		+0.0050		3.630	1	3.530	1	3.150	1	BBV		75596	DV?	1
446	60 -C- 2 ARI	03 17 27.372		10	+0.0013		6.30	- 1		- I		-	GK3		75875		1
447	R ARI		+24 49 30.55		+0.0023			4					M3E	4	75245	v	l
448	T ARI		+17 18 07.17		-0.0026			4					M6	4	93115	v	l
449	V ARI		+12 00 24.53		+0.0028			5			1 1 1 1 1		NB	5	92853	v	1
450	X ARI		+10 15 23.80		+0.0054			6	9.280	,		. 1		2.0		v	ı
	^~*	00 00 TOFOTE	10 10 50.00	1.0		-0.0070	J. U	0	3.200	1			A2	6	93297	٧	ļ

TABLE 3 CONTINUED

ETAB DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	STAR	RT. ASCEN.	STAR DESIGNATION POECLINATION P		RA PM	DEC PM	VISUAL	V N	BLUE	B N	υV	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP	G N
NUMBER	DESIGNATION	HR MN SEC	DEG MM SEC I	+									мс	6	55784	V	
	Y ARI	02 38 00.678	+30 59 10-46		-0.0000	-0.002		6	i			ı	GGB		75030	V	
451		01 53 03.346	+23 19 59.23	- 1	+0.0007	-0.003	5.7						GM6		93189	V	1
452		02 52 59.598	+18 07 48.95		-0.0006		5.94						AP		75788	l v	1
453	45 RZ ARI	03 09 15.105	+27 04 11.60	- 1	+0.0008	-0.013	5.67		5.580	_			A4N		92979	_ v	1
454	56 SX ARI	00 07 49.855	+19 38 03.63	- 1	+0.0058	-0.033	6.08	2		7		1	ATIV		93083	V	1
455	26 UU ARI	02 27 47.000	+12 14 11.49		+0.0082		5.08	-	5.30	7	1000	l i			93284	l v	
456	38 UV ARI	02 42 13.041	+17 41 17.98		-0.0018		6.06					I_ I	B2V	٠,	75927	l v	1
457	53 UW ARI	03 04 30.432	+28 32 32.35		+0.0016	-0.106	6.51	4	7.42	7	7.90	!' !	G5V+K01V	l ′	75151	V?	1
458	UX ARI	03 23 32.953	+23 13 37.07	- 1	+0.0138	-0.144	2.000	1	3.150		4.280	1	K2111		75012	V?	1
459	13 ALP ARI	02 04 20.917	123 13 37007		+0.0069	-0.108	2.650	1	2.780		2.880		A5V			ם '	ı
460	6 BET ARI	01 51 52.340	+20 33 52 09	ŀ	+0.0055	-0.108	4.674		4.634	1	4.504		ASI		92680	ΰV	1
461	5 GAM- 1 ARI	01 50 46.855	+19 03 06-11	. 1	+0.0056	-0.100	4.593		4.553	1	4.423	1	B9V		92681	V?	
462	5 GAM- 2 ARI	01 50 46.872	+19 02 57-87			-0.007		2	5.40	2	6.26	2	KZIII		93328		Į.
463	57 DEL ARI	03 08 45.885	+19 32 20 22	. 1	+0.0107	-0.002		ž	4.67	2	4.75	2	A2V	1	75673	DV?	1
464	48 EPS ARI	02 56 20.825	+21 08 29.91	니	-0.0012	0 071		2	4.87	12	4.86	2	ADIV-V		75810		1
465	58 ZET ARI	03 12 01.326	+20 51 37.93			-0.071	5.23	_	1	1		ŀ	F5V	1	75204	1	ı
466	17 ETA ART	02 09 59.756	+20 58 37•31		+0.0112	+0.007	5.57		5.580	1		1	AIV	l	92877	1	1
467	22 THE ART	102 15 20.327	+19 40 15.22			+0.003			3.390	1	1		KIP	1	92721	1	-1
	8 IOT ARI	n1 54 36.827	/ +17 34 27•51	1	+0.0025	-0.016	4.95	l	5.140	Į.		1	AM		75146		-1
468	12 KAP ARI	02 03 45.688	1 +22 24 39•37		+0.0013	-0.031	5.03	1	5.07	2	5.16	9	FOIV		75051	DV?	ļ
469		01 55 08.177	+23 21 11-25	1		-0.009		2			3.10	15	AOIV-V		93062	D	ı
470	9 LAM A ARI	02 30 32 486	+19 47 58 68		+0.0021	-0.040	5 • 66	l	5.640			1	A7V	1	75495		
471	34 MU ARI	02 35 58.976	+21 44 46.88		-0.0006	-0.014	5.34	1	5.500			1	B6		92932		-1
472	32 NU ARI		+10 23 06.91	1 1	+0.0013	-0.009	5.49	ĺ	5.380			1	B9V	1	93082	.]	- [
473	24 XI ARI		+15 06 04.54	1	-0.0002	-0.016	5.70		5.690			1		1.	93127	DV?	. 1
474	37 OMI ARI		+17 15 27.06		-0.000	-0.012	5.21	1	5.150			1	Beiv	1	93195	1	- 1
475	42 PI ARI		+17 49 30.02		+0.019	-0.207	5.50	ı		1	4		DF5		93144		- 1
476	46 RHO ARI		114 62 30 06	1	+0-002	-0.024	5.43	1	5.330	1		ľ	B7V	1	75886	1	
477	43 516 ARI		5 +14 52 38.06	1	+0.001	-0.023	5-18	ł	1	1		1	B5V	1			1
478	61 TAU ARI	03 18 20.10	0 +20 58 05.58			+0.039	4.92	1		1			KAIII		57447		- 1
479	1 AUF	04 46 32.38	7 +37 24 07-10			2 -0.007	4.77	2	6.18	2	7.76	2	KSIII	1	57475		- 1
480	2 AUF	04 49 16.85	5 +36 37 14.23		0.002	+0.004	5.90	1	1 -	1			DF3	1	57559		ı
481	5 AUF	04 56 51.77	0 +39 19 15 84	1	-0.001	1 10 007		1	1	1.			GK5	1	57560		- 4
482	6 AUF	i nu 56 56.13	9 +39 34 52 49	Į.	+0.000	2 +0.007	5.00	12	5.34	2	5.33	12	FOV	1	25019		
483	9 AUF	1 05 02 45.29	4 451 32 01.11	1	-0.003	0 -0.172	6.94	4		ľ			B5	4			
484	12 AUF	1 05 12 44.63	5 1+46 21 40•99	1	-0.000	+0.005	4.54	la	1 .	12	7.08	12	KSIII	1	57853		
485	16 AUF	05 14 53.58	8 1+33 19 17•00	1		7 -0.160		1-	1 3.0-	1-	1		A5		57893		
486	18 AUF	1 05.54	9 1+33 56 04•94			B -0.010	6.48	12	5.30	12	5.74	12	ASIII	1	57906	\ \v?	
	1 - 4	16 42.95	1 433 54 27.90	1	-0.000	2 -0.010	5.03	16	6.370		3.13		B9V	1	77139		
487			6 +28 53 27.71	1	1+0.001	5 -0.029	6.38	1				1	G51117+A	3	58280	DV?	
488		1 05 35 25.29	3 +30 27 52.83		-0.001	4 -0 • 009	5.43	١.	5.840	1	İ		60	4	58460		
489		o l ns 45 23.02	7 1+39 31 06•13	1	1+0.000	1 -0.020	6.90	19	1		1	1.	AO	1	40778		
490		05 57 10 49	4 +47 54 03.90	1.	+0.000	7 -0.018	5.68	1.	.	٦	- 05	2	KOIII		40818		
491	36 AU		8 +42 54 55 21		+0.010	6 -0 • 144	6.10	2	7.07	2	7.85	۲	ABN		40840	1	
492	38 AU		3 +42 59 15.57	1	-0.003	4 -0 - 144	5.84	1				1	A M	1	58749		
493	39 AU		9 +38 29 21.37	, I	+0.001	0 -0.051	5.27	1		1	1	1			40925		
494	40 AU		1 +48 43 24 85	, I	+0.002	0 -0.050	6.09	1		1		1.	AO	1	40924		
495	41 A AU		1 140 43 24103	(I		3 -0.066		Т	1	-1			AO.	1	40999		
496		D I AK N7 46.64	1 +48 43 32-18	()		1 +0.016		1:	2 6.79		6.88	2	FOV	1			
497		R 06 13 51.0	0 +46 26 34.93	(AD 001	3 -0.12			7.50		8,62	2	KSIII	1	41010		
498		R 06 14 33.1	2 +46 22 56.00	<u>' </u>		3 -0.093			2 5.79			2	F5III		25681		
499	1 '	P 06 17 42.4	73 +53 28 38 36	2					" - ' ' '	- [- [GK4		41130	1	
500			27 +46 43 10.66	>	-0.000	4 +0.00	, , , , , , , , , , , , , , , , , , , ,	-1	1	- 1	i		1				

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N		B N		צט	SPECTRAL CLASS	5 N	SAO C.T.NO.	STAP PROP.	\\ \frac{1}{t}
		06 32 03.125	+28 03 47.31	+0.0003	-0.018	5.09		5.060				B9•5V		78524		I
501	The state of the s		+39 26 13.19	-0,0019		5.54	ı					GK5		59316		1
502	51 AU		+29 01 44.55	-0.0015		5.51		5.500				AP		78571		1
503	53 AU			-0.0004		5.86		5.770				B6III		78593	נו	1
504	54 AU	the second secon	+38 55 51.05	+0.0005		5.96			1			A7N		59571	ח	1
505	59 AU	1 77 // / 2 22 2	+38 30 08 68	+0.0030		6.25						0F5		59576		
506	60 AU		+38 07 22.55	-0.0034		5.99	2	7.22	2	8.38	2	KZIII		59658		1
507	62 AU	05 00 13 110	+39 24 14.81	+0.0038		4.91	_					K4II-III		59866	1	
508	63 AU	07 00 13 721	+40 58 27.16	-0.0013		5.71			1	1		A3		41679		ı
509	64 AU	07 14 33.761	176 51 07 07	-0.0074		5.00			l			GBIII		60010	n	L
510	65 AU		+36 51 23 47	-0.0005		5.13						KOITI		41738		1
511	66 A U		+40 46 14.17			6.5		Maria de la				GM7E		25112	עמ	
512	R AU		+53 31 56.59	+0.0020		7.46	4		1			AO	4	57506	V	1
513	AB AU		+30 28 21 61	+0.0006		5.3	7			La La Bria		09.5V		57816	י עמ	1
514	AE AU		+34 15 24.59	+0.0007		9.3	6		l		1			57516	V	1
515	AM AU	04 53 22.936	+32 07 30 • 77			5.B	١٠	5.740				В9	i	57858	V 1	
516	17 AR AU		7 +33 42 55 12	+0.0010		8.6	6	3.,,0				ÃO	6	40003	. V	1
517	BF AU	and the second of the second o	+41 13 13-62	-0.0030		9.0	6	9.860	7			" "	-	40075	l v	1
518	BK AU		+49 37 32.78	-0.0005		7.8	6	7.000	1	1		F5	6	58649	V	ŀ
519	CO AU		+35 18 38 60	-0.0005		9.0	6		1		١		1	-8699	V	T
520	CQ AU		19 51 22			8.6	6			1		N3	6	24981	V	1
521	EL AU		+50 33 44+59		-0.005	7.44	4	1		1		B5	4	57857	W ·	1
522	EO AU		3 +36 34 46 84	+0.0012		8.5	6		1	1	l	NA	6	58449	V	1
523	FU AU	'	5 +30 36 53 42			8.3	6	100				G5	6	77356	V	1
524	HH AU	(05 36 17.90	7 +29 48 24 68		-0.012	6.94	5	6.880	17		1	B9P	7	57631	V	-
525	HZ AU		3 +33 51 08 33		-0.003	7.7	5	0.000	1		1	В9	7	40167	V	1
526	IM AU				+0.005	5.38	٦	5.180	7	ļ		AOP	4	57884	V	1
527	IQ AU	(05.15 42.40	+33 41 50 28	+0.0009	-0.025	8.2	5	8.430				B2	7	58059	. v	1
528	IU AL	05 24 32.81	3 +34 44 30 • 99		-0.011	8.9	6	0.400	1	1.5	1	B5?P	7	40615	V	-
529	IY AL		0 +43 03 59.05		-0.009	5.06	١	5.260	1		1	A9V		57799	DV	1
530	14 KW AL		2 +32 37 54 25		+0.014		4	6.90	7	6.12	7	09.5+09.5	1 7	58105	DV	1
531	LY AL		5 +35 20 10 87		-0.004	6.71	6	0.50	11	0.12	1	B2	6	57915	V	-
532	MZ AL		6 +36 34 57 40		+0.004	7.8	7	8.26	7		1	B2V	7	58322	V	1
533	NO AL		3 +31 53 43 27		+0.006	6 • 72 5 • 4	1 '	5.820	1	1	1	60		59128	y	Ì
534	48 RT AL		1 +30 31 33.15		-0.014	7.8	6	8.580				G5	6	57573	l v	-
535	RX AL		2 +39 53 17.19		+0.009	8.8	6		Ί΄.		1	""	-	57509	V	-1
536	SU AL		3 +30 29 19.60		2 -0.031		6				1 .	A3	6	40094	v	ı
537	5X Au	R 05 08 10.22	5 +42 06 18.86		+0.012	8.1	6	9.520	17	1	1	1 '''	1. ~	40115	٧	1
538	SY AL	R 05 09 05.02	0 +42 46 20.96		0.013	8.6	6		Ί.		1 -	В5	6	57690	V	
539	TT AL	R 05 06 14.78	0 +39 31 25 18		0.002	8.5	5				1	MB	5	41193	v.	ļ
540	TU AL	R 06 31 55.71	5 +45 39 50 99		1 -0.002	8•5					1	MC	6	40721	V	
541	TW AL		3 +45 30 13.61		0.035	8.4	6 2	7.89	2		1	C5-3	"	59280	V	1
542	UU AL		7 +38 29 16 10		-0.028	5.29	6		15	1	1	PEC	6	57941	v	-
543	UV A	R 05 18 33.31	3 +32 27 51 • 36		2 +0.047	9.3	6				1	MB	6	40175	v	1
544	UX A	R 05 12 07.35	0 +49 29 27.77		0.012	8.2	6					MA	6	40163	V	
545	UZ A(R 05 11 41.04	4 +40 04 35 • 15		+0.021	8.3	10	1	1		1	AM	1	59194	V	
546	WW AL	R 06 29 11.43	3 +32 29 32.77		0.019	5.6		0 000	١.			G81112+F		40186	DV?	1
547	13 ALP AL	R 05 12 59.46	6 +45 56 58 03		7 -0-423	•080								40750	DV	ĺ
548	34 BET AL		9 +44 56 40.68	-0.0052	5 -0.001	1.900	1	1.930	41	1.970	1	A2V	1	40130		
549	GAM A	R = 112 BET TA	UI I						. [.	1	1.	VOTT		25502		١
550	33 DEL A	R n5 55 24.51	8 +54 17 00 • 14	+0.009	5 -0.126	3.720	1 1	4.710	ı Li	5.620	1	KOIII	1	52205		- [

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	WAG.	N	MAG.	B N	_ · ·	N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.
HOMBER				+0.0001	-0.004	2.990	1	3.530	1	3.860	1	ASIA		39955	ħν
551	7 EPS AUR	04 58 22.530	+43 45 05•35	100000	-0.022	3.750		4.970		5.350	1	K5II+B		≠9966	V
552	8 ZET AUR	04 58 58 680	+41 00 17.78 L		-0.067	3.180		3.000		2.330		B3V		40026	۸5
553	10 ETA AUR	05 03 00.214	+41 10 08.38			2.620		2.540		2.360		B9.5PV		58636	DV?
554	37 THE AUR	05 56 18.627	+37 12 40.05		-0.082	2.690		4.220		6.000		K3II		57522	٧?
555	3 IOT AUR	04 53 43.982	+33 05 19.94		-0.018			5.36		6.17		GBIII	i	78143	۸5
556	44 KAP AUR	n6 12 11.481	+29 31 06 24		-0.265		2				2	GOV	1	40233	ס
557	15 LAM AUR	ns 15 37.211	[+40 03 24·51]		-0.661	4.71	2		2		2	AM	-	57755	
558	11 MU AUR	ns 10 00.157	1+38 25 38-27		-0.076	4 • 88	2		2	5.16	I: 1	KOIII	1	58502	ח
559	32 NU AUR	05 48 01.346	+39 68 09.47		+0.007	3.970		5.110		6.200	ו בו		ļ .	25450	
	30 XI AUR	05 50 39.215	+55 41 52.55	-0.0014	+0.022	5.00	2		2		2	A2P?	1	40583	1
560		05 40 01.440	+49 48 24+60	-0.0010	+0.000	5.47	2		2		2	A P	l	40756	l v
561		OF 56 13-359	+45 56 04.47	+0.0001	-0.005	4 • 25	2		2	7.80	2	M3II		40269	l '
562		OF 10 15 828	+41 45 24.75	+0.0015	5 -0.032	5.09	1	4.910	١ ا	-	1. 1	B5V	l .	57981	D
563	20 RHO AUR	05 10 15 060	+37 20 26 65	+0.000	-0.008	5.02	l I	. i l		l		K4III	1	1	l b
564	21 SIG AUR	05 21 13.000	+39 09 58 50		-0.023	4.53	2	5.47	2	6.16	2	GBIII		58465	V?
565	29 TAU AUR	05 45 42 401	+37 17 35.85		-0.042	4.74	l 2 l	6.36	2	8.29	2	GM1	1	58496	\ \',
566	31 UPS AUR	05 47 37 129	1 3 1 35 35		2 -0.047	5.12	ΙI					K3P		58051	
567	24 PHI AUR	05 24 19.833	+34 26 06 82		0 -0.002	4.77	2	5.12	2	4.68	2	BSIAB	1	58164	4
568	25 CHI AUR	05 29 28 244	+32 09 25 48		1 -0.001	4.95	-	6.920	7			MOIAB	1	41076	٧
569	46 PSI- 1 AUR	06 21 02.880	+49 18 56 91	-0.000	-0.050	4.79	2		2	7.32	2	K311-111		41239	1
570	50 PSI- 2 AUR	06 35 45.703	+42 32 06.13	+0.000	6 -0.059	5.26	۱۵۱	5.190	-		-	BBIII	1	59319	1
571	52 PSI- 3 AUR	06 35 20 296	+39 56 51 • 00		7 -0.014		2	6.50	2	8,33	2	KSIII	1	41288	1
572	55 PSI- 4 AUR	06 39 26.746	+44 34 29.10		1 -0.029	5.02	16	5.790	٠,	10.55	-	GnV		41330	ח
573	56 PSI- 5 AUR	06 43 08 206	+43 37 45.74		2 +0 - 164	5.22		3.730			1	KITTT		41346	1
574	57 PSI- 6 AUR	06 43 50 996	+48 50 40.75		2 +0.007	5.15			اہا	7 60	2	KSIIT		41380	
575	58 PSI- 7 AUR	06 47 13.920	1 +41 50 32.27		1 -0 - 132	5.02	2	6.29	2	7.64	٦	B9P?	1	59589	
576	61 PSI- 8 AUR	06 50 31.472	+38 34 05 86		8 -0 - 028	6.24	1	6.190			1	B 8		41446	Į.
577	PSI- 9 AUR	06 52 50 489	+46 20 23.27	+0.001	8 +0.012	5.75		5.690				00		1 42 140	
578	PSI-10 AUR	= 16 LYN		1	1	1	1	1	L			1 401/	1	57548	l o
	ME AUR	04 55 51.444	+ +37 48 59 98	+0.003	5 -0.100	4 • 95	2	5.00	2	5.01	2	AOV	1	82942	۱ŏ
579		17 38 17-13	+20 12 28 48	-0.003	5 +0.018	5.57		5.570	1			AIV	1		1 "
580			5 +22 44 54.40	-0.001	5 -0.029	5.63	1		1	1		GG9	1	82946	1
581	2 800	13 30 70 37	7 +25 57 08-51		6 -0.065	5-84	1		1		Į.	DF3	1	82993	ł
582	3 B00	13 44 23 77	8 +18 10 42.63		8 -0.001	5.59	1		1	1	1	GG4	1	100751	
583	7 B00	13 30 77 77	+ +27 44 11 48		0 -0.052	5.04	1	1		1	1	KSIII	-1	83084	V?
584	9 B00	13 34 11011	6 +21 56 21.76	-0.000	8 -0.049	5.66	1	5.620	1		1	AOV	1	83103	1
585	10 Bo0	13 30 10.27	0 +27 37 38 44	-0-006	1 +0.014	6.12	1	1	1		1	A3		83130	
586	11 800	15 58 54.41	2 +49 41 37.67		0 +0.059	5.22	1		1	1	1	GM2	1	44905	V?
587	13 B00		2 117 41 31 101		6 -0.055	5.48	1					DF6	1	100925	\ \?
588	14 Bo0	1 14 11 40.77	3 +13 11 35 • 16	-0.001	8 -0.157	5.24	1		1	1		KOIII	1	100934	Ď.
589	15 Bo0	14 12 23.82	2 +10 20 07-17		2 -0.035	5.41	2	5.79	2	5.76	2	F5IV-V		100975	1
590	18 800		0 +13 14 02.67		1 +0.055	4.86	2		2		2	KSIII		100980	1
591	20 Bo0	14 17 23.14	3 +16 32 06 • 18		2 +0.033	5.91	1-	1	1		1	DF2	1	83395	1
592	26 BO	14 30 16 10	5 +22 28 45.31			4.94	1		1	1		GBIII		120601	Λ5
593	31 BO	14 39 11.28	2 +08 22 28 74		3 +0.000	5.56	2	6.50	2	7.17	2	GBIII		101152	
594	32 B00	14 39 19.26	9 +11 52 30 • 14		7 -0-117		12	"""	1-	1	1	AG		45153	1
595	33 Bo	14 36 58.52	9 +44 37 10.46		6 -0.020	5.36			1	1		DF6+DF5		45231	D
596	39 Bo	14 47 59.22	0 +48 55 31.51		2 +0.093	5.60			1		1	F2		64449	1
597	40 Bo	14 57 41.85	1 +39 27 45 • 54		29 +0.035	5.53				L	1	B9V		64656	1
		15 19 48.34	5 +33 n6 42•07		3 +0.014	5.26		5.200	י, וי	. 70	١,			64053	
598	50 A BO	1 14 15 52.95	2 + 35 44 21 87	-0.000	02 +0+011	4 • 81	2	5.87	15	6.79	2	KOIII		83682	1
599	46 -B BO	1 17 00 1/1 17	2 +26 29 30 45	1 +0.000	0.017	5.56	1	1	4	1 1 1 1	1	GK2	1	1 22005	1

TABLE 3 CONTINUED STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

Γ	NULPED	STAR	RT. ASCEN.	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	۷ N	BLUE MAG•	B N	٠.	N	SPECTRAL CLASS	S	SAO CATANO	STIR PROP.	G N
9)840	NUMBER 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626	STAR DESIGNATION 45 -C B00 12 -D B00 6 -E B00 22 -F B00 24 -G B00 38 -H B00 44 -I B00 47 -K B00 V B00 S B00 S B00 BP B00 BW B00 BY B00 BY B00 RW B00 RW B00 RX B00	HR MN SEC 15 05 06.195 14 08 07.066 13 47 20.895 14 26 53.396 14 27 31.671 15 02 08.276 15 03 46.366 14 34 59.266 14 21 12.396 14 27 44.15 14 41 13.446 15 41 28.985 14 35 55.70 14 36 55.83 14 37 09.31 14 39 06.20 14 21 56.69 14 47 28.22 14 20 17.27 13 56 20.21 13 51 31.54 13 53 51.75 14 13 22.75 15 00 03.66	DEG MN SEC N 2 +25 03 46.28 5 +25 19 39.84 6 +21 30 41.73 7 +19 27 02.75 2 +50 04 04.36 1 +46 19 25.55 19 +47 50 53.32 6 +26 57 09.41 1 +39 04 59.12 3 +26 44 22.02 6 +20 01 59.36 8 +24 51 24.30 5 +24 51 24.30 6 +20 01 59.36 8 +24 51 24.30 1 +52 31 04.72 2 +36 08 45.19 9 +47 28 27.43 5 +44 05 29.73 4 +32 45 15.25 1 +31 47 06.62 1 +25 55 48.52	+0.0136 -0.0017 +0.0012 -0.0051 -0.0322 -0.0007 -0.0005 +0.0009 +0.0021 -0.0011 -0.0011 -0.0021 -0.0019 -0.0024 +0.0024 +0.0026 -0.0040 +0.0011 -0.0088 -0.0040	PM -0.171 -0.064 +0.013		N 22 2 444246 4 26774566411		N 22 2 7 72	MAG. 5.34 5.44	N 2 2 2 2 1111	F5V F8IV K4III A5 GG4 DF4 DG1 A0 M4E M4E M6E GM3 K0 G0 A0P A2 A0P M4III-M4. M5E M5E M7E F3 F5 A2 F0 K2IIIP G8III A7III	N 444 46676	C.T.NO. 83671 83203 83015 101025 29165 45226 453570 29125 64180 83488 833421 29624 44256 44273 83545 100761 830801 1007477 64203	DV DV? V V V V V V V V V V V V V V V V V	
ORIGINAL, BASS	631 633 633 634 635 637 639 641 642 6445 6445 6447 6445 6447 6449 649	27 GAM BOUD 49 DEL BOUD 36 EPS BOUD 30 ZET BOUD 8 ETA BOUD 23 THE BOUD 10T- 2 BOUD 17 KAP- 1 BOUD 17 KAP- 2 BOUD 17 KAP- 2 BOUD 17 KAP- 2 BOUD 18 LAM BOUD 51 MU - 1 BOUD 52 NU - 1 BOUD 53 NU - 2 BOUD 35 NU - 2 BOUD 37 XI BOUD 37 XI BOUD 39 PI - 1 BOUD 29 PI - 2 BOUD 28 SIG BOUD 4 TAU BOUD	15 13 29.11 14 42 48.13 14 38 45.54 13 52 18.16 14 23 29.61 14 14 23.67 14 14 25.81 14 11 40.27 14 11 41.51 14 14 28.96 15 22 37.40 15 29 07.88 15 29 59.47 14 49 04.78 14 42 54.36 14 38 22.87 14 29 40.44 14 32 30.14	7 +33 30 01.20 7 +27 17 02.66 0 +13 56 30.48 8 +18 38 51.35 0 +52 04 52.32 3 +51 35 49.93 6 +51 36 22.17	+0.0066 -0.0038 +0.0036 -0.0045 -0.0165 -0.0175 +0.0063 -0.0124 -0.0124 +0.0006 -0.0019 +0.0014 +0.0016	0 -0.116 0 -0.020 0 -0.0363 2 -0.400 6 +0.088 0 +0.082 0 +0.007 1 +0.015 0 +0.010 0 -0.012 0 -0.013 0 +0.011 0 +0.011 0 +0.011 0 +0.017 1 +0.017 1 +0.034	3.490 2.370 3.780 2.680 4.75 8.8 6.69 4.54 4.32 6.50 5.02 4.60 4.94 5.814 3.59 4.50	1111224 22222222	4.440 3.340 3.830 3.260 4.95 7.08 4.740 4.63 7.09 6.61 5.31 5.58 4.974 4.894 4.98	111122 222222222	5.120 4.070 3.880 3.460 4.57 5.01 6.99 4.831 4.69 7.22 8.520 5.60 6.33 4.582 5.454 6.330 4.530 4.530	1111122 22222222222	GBIII KOII-III+ A2III+A2I GDIV F7V A7V A2 F2V A7IV A0P F0V DG0 K5III A3 G8V K0III A P A M K3III F2V F7V		64589 83500 101145 100766 29137 29071 29073 29046 44965 64686 64687 45580 101250 101184 101138 101138 101138 1010706	DV? DV? DV? DV? DV? DV? DV? DV?	9 10 11 12

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

			STAR DESIGNATIO	ONS AND S	TAR DATA	ORDERE	В	1 DE216	ANC	110N2						
	STAR	RT. ASCEN.	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	٧	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO. CAT.NO.	STAR PROP.	G N
NUMBER	DESIGNATION	HR MN SEC	DEG MN SEC N	FFI			-		Н		 			100725		
7-1	5 UPS BOO	13 47 03 866	+16 02 42.66	-0.0066	+0.037	4.07	2	5,59	2	7.46	2	KSIII	1	45643		
651		15 36 01.742	+40 30 55.00	+0.0052	+0.059	5.24	2	6.12	2	6,65	2	GBIII-IV		83729		
652	54 PHI BOO 48 CHI BOO	15 12 23.619	+29 20 55.85	-0.0053	+0.026	5.19		5.210			١.	A2V		83645		ا ا
653		15 02 18-094	+27 08 29.75	-0.0132	-0.009	4.55	2	5.78	2	7.12	2	K2III		83624		
654		14 59 54 991	+25 12 17.18	-0.0004	-0.050	4 - 82	2	6.32	2	8.15	2	K4III	7	195295	ν	
655		00 45 31-719	-36 17 50 -61	+0.0037	+0.010	8 • 7	5		1			N4	1 ′	190240	, · ·	ı
656	T CAE	= GAM-2 CAE	""							1	1		6	217051	Ιv	1
657	Z CAE	04 51 01.268	-43 08 34.38	+0.0021	+0.058	7•5	6		ا ۱			MA	٥ ا	216926	ا	1
658	ALP CAE	04 38 56 921	-41 57 29.93		-0.078		2	4.79	2	4.79	2	F2V		195239	1 "	
659	BET CAE	04 40 17.269	-37 14 27.52	+0.0032	+0.194	5.05	2	5.42	2		١.	F8V	1	195532	D	1
660	GAM- 1 CAE	05 02 36.381	-35 33 01.69		-0.050	4.550		5.750		6.940	1	GK3		195534	ľv	1
661	GAM- 2 CAE	05 02 38.893	-35 46 25 16	+0.0017	+0.039	6.34	2	6.64	2		1	F0 B3V		216850		1
662	DEL CAE	nu 29 18-117	' -45 n3 36•59	+0.0003	-0.001	5.07	2	4.88	2			1		195300	ŀ	1
663 664	ZET CAE	04 45 52.463	-30 06 32 44		+0.095	6.37	2	7.44	2	1000	1	KD K5		216961	1	1
665	LAM CAE	04 42 05.458	-41 09 24.57		+0.012	6 • 25	2	7.71	2	1	1	DF0		217032	0	1
666	NU CAE	nu 48 38.539	1-41 24 21.86		+0.066	6.07	2	6.44	2		1	BOILI	1	24672	ם	ł.
667	6.4	04 28 03.574	+53 48 15.94		-0.001	5.40			1			A5N	1	24744	ď	
668	2 CAM	nu 35 59.764	+53 22 36 89		-0.090	5.36	1				1	KOIII		24743	۱ŏ	1
669		04 35 57.858	+52 58 56 11		-0.012	5.14	1				1	AM		24829	Ď	
67 ₀	3 CAM CAM		+56 40 15-10		-0.145	5.30	1		1	1		ÃO		24904	l Ď	
	5 CAM	04 50 57.347	+55 10 44+56		-0.006	5.51		1 .				=	1 4	24925	1	-
671			+55 44 46+54	-0.0005	5 -0.027	6.93	4	_	1.	l	1	K5 A1V	"	24929	0	1
672	6 CAM		+53 40 28 10	-0.0026	+0.008		2	4.45	2	4.43	2		1	24943		1
673			+53 04 51 -58		-0.008	6 • 26	i	م مر ما	.1		1	GK3 B2V?PE		25001		1
674		05 01 47.14	7 +58 54 18•40		+ -0.006	5.22	i	5.140	4				1	25003	1	
675			+58 57 15.46		2 -0.029	6.23			1		1	GG5 A2	1	13413		
676			+62 37 56.75		8 +0.008	6.36	.1	Ť.	1.		1	BSIV	1	25125	1	1
677			8 +58 03 57.70	+0.000	B -0.020	6.09	1		1			AO	1	25161		1
678	15 CAN		1 +57 29 54-11	-0.003	6 -0.055	5-14	1				1			13518		
679	17 CÂN		3 +63 01 42.13		5 -0.002				1		1	GM1 DF7	1	25241	1	1
680			0 +57 11 18.31	+0.014	5 -0.219		1	1				1		13550	D	
681			0 +64 07 30 -38	+0.000	9 -0-068	6.00	1.	6.01	ויי		1	B9 A5	4		"	1
682	19 CAN		5 +61 55 21.17	+0.000	0 +0.016	6.65	4		1	1 2 2	1	F5	1 7	25298		
683		05 34 51.78	1 +56 20 02.55	+0.001	9 -0-133		4		1			GG5		13590		
684		05 39 32 39	7 +61 27 16.23	-0.000	4 +0.002				4					25333	1	1
685		05 38 46-97	9 +56 33 28 80	+0.001	8 +0.031			į.	1		-1	\$GG9 AO	4			1
686			1 +54 50 35.34		1 -0.014		4	1	. .		1	7	"	25362		-
687			5 +56 05 51 • 10		5 -0.056		1.		1		- [A2 A0	4			1
688		n5 42 38.60	2 +56 54 21 • 05		7 -0.023						1		"	25403	ם	- 1
689			5 +56 54 17.72		9 -0.008		. 4	1			- 1	A2N B9		25419	1 "	
690	29 CAI	1 05 47 52.68	5 +58 57 08 41		1 -0.022			5.98	υĮ	1	1	A5		25548	DV?	1
691		4 ne no 31.10	7 1+51 34 37 • 36		3 -0.043						- 1	K211-111	4.	13756	- ' '	
692 693	35 CAI	4 06 07 49.30	4 +65 43 53 19		5 -0.032							GBIII		25597		
		n6 05 34.34	5 +58 56 41 85		3 +0.023							GK3	1 .	13772		1
694		u n6 11 11.13	7 +60 00 56•59		6 -0.020			. 1				A2	4	1		- [.
695		wine 35 54.29	4 +61 58 07 01 1		8 +0 021			k:		1		B3IV	"	13973		- 1
696		M ne 45 44.87	4 +67 37 48+63		2 +0.003						- [B7IV	- '	13986		- [
697		M 06 48 19 45	4 +68 56 58 72		1 +0 - 006						ı	1	1 4	26269		1
698			5 +59 13 03.90	+0.010	1 -0.02	7 63		+			1	FB		26274		3
699 700			9 +59 20 45-11		5 -0.03		. '	+]				K2	١,			

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	DESIGN/		HR N	ASCEN IN SE		CLINATION G MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CATANO.	STAR PROP.	.G N
701	47	СдМ	07 1	7 54.9	74 +5	9 59 49.72	T	+0.0005	+0.013	6.23					-	Α ν		26298	ח	
702	48	CAM	07 3	5 41.1	42 +5	9 40 42.93		+0.0000	+0.003	7.10	4				1	A2	4	26450		1
703	49	СдМ	07 4	1 56.7	12 +6	2 57 13.10	1	-0.0051	-0.059	6.32					1	GFO		14322		1 -
704	51	CAM	07 4	1 54.3	97 +6	5 34 40.21	1	+0.0056	+0.020	5.90			1		1	GK2	1	14321		1
705	52	CAM				6 38 17.07	1	+0.0000	-0.026	6.49						AO		26579	1	1
706	54	CAM		8 32.1				-0.0032	-0.066	6.40	i .] -	1.	DF8		26634		li
707	55	CAM	08 0	7 51.7	95 +6	8 37 25.96	1	+0.0002	+0.006	5.36					1	GBII	1	14456		2
708	56	СДМ	08 1	1 38.5	22 +6	0 32 01.89		-0.0018	+0.005	6.32				1	1	DA7		14479	ם	2
709	57	СДМ	08.1	4 57.1	87 +6	2 39 49.67	1	-0.0019		5.68					ı	665	1 .	14500	1	2
710	R	CAM	14.2	17.8	44 +8	4 03 37.48		+0.0055	+0.017	7.2	4		1			SF.	4	2366	V .	
711	S	CAM	05 3	37.4	77 +6	8 46 18.94	1	-0.0015	-0.036	7.8	4		1			R8	4	13563	V	
712	U	CAM	03 3	7 29.0	94 +6	2 29 18.79	1	+0.0034		7.6	14					NB	4	12870	V	1 ,
713	AA	СдМ				8 53 25.18		+0.0036	+0.004	7.6	4				ŀ	MB	4	14121	· V	1
714	AL	CAM				0 30 44.53		-0.0079	+0.010	9•5	6		:		1			1915	V	1
715	AS	CAM		4 16.4				+0.0001		8.2	5		1		1	An	7	13507	V	
716	AW	CAM	06 4	1 58.2	37 +6	9 40 59•69		-0.0043		8.0	6					AO	7	13951	V	1
717	53 AX	CAM	07 5	7 26.9	71 +6	0 27 48.10		-0.0058		6.00		6.130			1	A2P	7	14402	V	L
718	AZ	CAM	09 0	6 42.8	92 +8	2 08 51.35	1	-0.0035		9•3	6		ļ				1	1470	V	1
719	RS	CAM	08 4	3 58.5	15 +7	9 08 50 53		+0.0020		8.8	6		1			MB	6	6653	V	
720	RU	Сдм	07 1	6 20.3	53 +6	9 45 53.38	1	+0.0030		9.1		10.090	7			Kn	6	14157	y i	
721	RV	CAM				7 18 12.68	1.	-0.0001		8.2	6					M5	6	24656	V	
722	RW	Сдм	03 5	0 15.1	52 +5	8 30 22.13		-0.0018			6	9.780			l	K2	6	24282	V	1
723	RX	CAM	04 0	0 49.2	54 +5	8 31 25.19	1	-0.0010		8.0	6	9.030	7			G2IB-K2	7	24392	٧	1
724	RY	СДМ				4 20 01.28	1	+0.0010		8.2	6					M3III	7	13165	٧	l
725	ST	CAM				8 05 01.57		+0.0003		6.9	4					NB	4	13285	ν	1
726 727	SV	CAM	06 3	0 05 0	95 1+8	2 18 46.30		+0.0232		9.2	4		. [1	G	4	1038	٧	Į.
728	SY SZ	CAM	06 0	2 23.9	10 1+0	0 04 56 18		+0.0025		9.5	6	100			1			_958	V	l
729	31 TU	C _A M C _A M	04 0	0 20 0	3/ 1+0	2 11 59.67 9 52 47.18		-0.0013		7.07		1				BOII-III		13030	ŋ٧	1
730	J1 10	CAM	ທລວ	1 31 4	22 14	9 52 47.18 1 39 32.66		+0.0001		5.2					1	A0		25447	٧	ı
731	UX	CAM	05 0	5 25 0	20 16	8 36 28.97		-0.0016		7.3	6					R8	6	13009	V :	
732	vž	CAM	07 2	0 40 0	33 18	2 30 50.36		+0.0008		8.5	٦					MA	. 6	13391	V	1
733	XX	CAM				3 13 43.99	1	-0.0008		4.93 7.07	۱, ۱					GM4		1179	V.	
734	źż	CAM				2 13 26.91		-0.0040			4					KO	4	24431	V	1
735	9 ALP	CAM				6 15 38.64		+0.0006			2	4.32	2	3.44		MA 09.5IA	4	13084	V	ļ
736	10 BET	CAM	nu 5	8 57.6	17 +6	0 22 18.61		-0.0005		4.030	1		1	3.44 5.590	-	GOIR		13298		
737	GAM	CAM		5 02.6			i i	+0.0044			2		2		2	ASIV	i i	13351 5006	ח	ı
738	1	CNC		4 09.1	36 +1	5 55 31.23		-0.0019		5.81	-	**0'	-	7.70	-	GK3		97399		
739	3	CNC	n 7 5	7 55.4	70 +1	7 26 49.93		-0.0007		5.55		1.00		1 - 1		GK3		97472		١.
740	4	CNC	07 5	8 42.9	59 +2	5 13 43.71		-0.0015		6.16		6.170	. 1	İ		AIV		79869		
741	5	CNC	07 5	8 39.3	75 +1	6 35 40 63	1:		-0.009	5.86		5.840				B9V		97485	1. 1. 1.	İ
742	7	CNC	08 0	0 53.4	31 +2	2 12 44.84		-0.0029			4	3.370				KO .	4	79903		
743	8	CNC				3 15 43.55		-0.0024		5.11		5.110				AOIV	*	97542		
744	11	CNC				7 37 38.97		-0.0012			4					Ko	4	79974		l
745	12	CNC				3 47 16.08		-0.0001		6.16	`					DF3		97594		
746	13	CNC				5 59 35 45		-0.0011			4					KO	ایرا	79991	1	
747	21	CNC				0 47 40.32		+0.0002		6.16			1.1			GM2	7	97788	D	1
748	24	A CNC				4 41 59.89	1	-0.0029		7.10						DF1		80184	0	1
749	24	B CNC				4 42 04.08	1	-0.0032		7.64		1				DF6		80185	ם	1
750	28	CNC				4 18 43.94		-0.0022		6.05	ı 1			1000	i .	A5	1	80204	S.	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	STAR	RT. ASCEN.	STAR DESIGNATION P	RA RA	DEC	VISUAL	٧	BLUE	в	υV	u	SPECTRAL	S	SAN CAT-NO.	STAR	G
NUMBER	DESIGNATION	HR MN SEC	DEG MN SEC N	PM	PM .	MAG.	Ν	MAG.	Ν	MAG.	N	CLASS	N		F ** OF •	μ.
-	29 C _N C	08 25 50.013	+14 22 39.84	-0.0010	-0.015	5•87		6.060				A5V	1	97843		1.
751		00 29 56.657	+10 14 12.42	+0.0001	-0.008	6 23		6.216				AOV		97928		1
752		08 32 27-104	+19 45 48.32	-0.0025	-0.014	6.58	2	7.26	2			GOIII		116975	1	
753 754	35 CNC 37 CNC	08 35 22.736	+09 45 02-41		-0.010		2	6.51	2	6.47	2	AO FO	4	98006	1	1
755	36 CNC	na 36 50.435	+19 57 21 43	-0.0025		6.68	4		ا دا	0 20	2	Kniii	"	B0333	1	
756	39 CNC	na 37 13.995	+20 11 08·03	-0.0025		6.39	2	7.37	2	8.20	٢	AO	4	80336	Ĭ .	1
757	40 CNC	NA 37 19.063	+20 08 56·65	-0.0025		6+52	4	. 1			1	A5	4	98030	Į	
758	42 CNC	I na 37 51.120	+19 53 51 58	-0.0023		6.72	4	7.07	2	7.70	2	65111		61029	1	1
759	46 CIIC	na 42 17.621	+30 52 49·01	-0.0001		6.13	2	7.07	1- 1	7.70	1	65	4	98169	1	
760	52 CNC	08 48 22.988	+16 11 13.67	-0.0021		7.21	2	7.02	2			DG2		98168	1	1
761	54 CNC	08 48 14-474	+15 32 14.51		+0.074	6•38 5•56	-	1.02	-	1.0	1	GK5		98235	.V?	
762	60 CNC	08 53 11.839	+11 49 06-01		-0.014					1.1		DF3		61157	ח	1
763	61 CNC	08 54 56.707	+30 25 37.71		+0.020	6.13		6.760			1	VEA		61202	D.	1
764	66 CNC	08 58 20.406	+32 26 56 • 52		-0.001	5.96		", "			I	A5	1	80585		1
765	67 CNC		+28 06 03 23		-0.080 -0.013	7.11	4				1	B9	4	98302	1	1
766	68 CNC		+17 16 42 • 26		-0.005	6.31	1	6.310	1			AOV	1	80609	1	
767	70 CNC		+28 05 50 69		-0.007	7.95	4					A2	4	98358	ļ ·	1
768	71 CNC		+17 35 27-11		-0.373	5.79						DG3		80659		1
769	75 CNC		+26 50 14-13		-0.036	7 • 35	4		1		1	Kn	4	98389	1	1
770	78 CNC		+17 40 24 · 18 +22 12 02 · 42		+0.002	5.94			1		1	GG5		B0674	1.	
771	79 CNC		+18 15 00 • 42		-0.024	6.75	4			100		AO	4	98425	1 -	1
772	80 CNC		+15 11 55 13		+0.242	6.51	2	7.24	2			DG7	1	98427	ח	1
773	B1 CNC		+17 55 06.30		-0-134	6.60	4	100		4.4 (1.5)	1	F5	_,4	98488	1	1
774	B3 CNC		+12 51 41.34		-0.001	5.68	1			1	1	A9S		98069		
775	45 A- 1 CNC 50 A- 2 CNC		+12 17 40 89	-0.0047	-0.056	5.63	1	5.740				A1V	7		v	1
776	1 77		+10 15 50 42	-0.0010	-0.021	5 • 66	1	5.550		1	1	AOP	\perp	116953	l . *	
777	49 -B CNC		+09 49 49 87		2 -0.011	5.94	i	6.030	1	1		A3V		97781		1
778			+18 29 39 10	-0.003	7 -0.031	5.80	1					DF0		97806		.
779		1	3 +17 12 44.52		-0-156	6.09	1.		1			DF4		97694	Ιv	1
780			+11 52 52-59	+0.000	8 -0.013	6.0	١.		1			GM7E	1.		ľ	
781	R CNC	08 41 04.90	+19 12 55.57	-0.001	5 +0.003	8.0	4	1	1			A0 N3	4	1	l v	
782 783	T CNC		2 +20 02 29.76	-0.000	9 -0.007	8.0	4					M2E	1 4		v	-1
784	U CNO	ne 32 54.64	5 +19 04 10+11		7 +0.001	8.4	4				1	SE	4		l v	1
785	V CNC	ne 18 52.08	9 +17 26 43•26		2 +0.011	7.1	1 4	1.000	١,	1		C5-4	1 7	98230	V	
786	X CNC	I na 52 34.03	8 +17 25 22 • 13		1 +0.005	6.64		10.00	2	1	1	MC	lε		V :	
787	Ž CNO		9 +15 09 11.08	-0.000	4 -0.045	8.8	6	1	1	1		""	1			
788	BI CNO	= 49 -B CNC			_		1	7.67	7	į.	1 .	GM3	1	79940	l v	1
789	9 BL CNO	I DR 03 20.74	4 +22 46 47.76		5 -0.008	6.04	1	5.560		1.		AP	1	80016	V	
790	15 BM CNO	. na 10 03.14	3 +29 48 28+75		5 -0.023	5.63	6		٦.	1	1	A5	1 6		l v	
791	BN CNO	na 37 47.64	7 +19 24 24 •21		1 -0.014	8.0	۱°	7.73	17			GM3	1	80476	l v	
792	53 BO CN	na 49 28.43	0 +28 26 53 64		2 -0.008	6.14	2	1 _	2	9.02	2	M3III	1 7		V	1
793	27 BP CN	i na 23 58.07	6 + 12 49 15 • 71		8 -0.103	5.50	6		7		1-	F2VN	1 7		V	
794	BQ CN	na 37 34.16	3 +20 21 36 68		1 -0.014	8.0	l°	0.30	1'	100	1	M6SE	- I	61306	V	
795	RS CNI	c no 07 37.72	0 +31 10 05.01		6 -0.038	5.3	6					MA	1 6		V	
796	RT CN	C 08 55 33.06	8 +11 02 23.22		4 -0.030	8.2	7				1	MB	1		٧	1
797	RX CN	C 08 11 44.01	1 + 24 53 16 • 40		2 -0.010	8.5	6		กไร		1	ко		60954	V	1
798		c na 36 02.69	5 +31 58 21.73		2 -0.005	9.1	6		ή΄			A2		117211	V	
799	TU CN	C 08 49 34.92	7 +09 16 39 21		6 -0.013	8.4	6		1		-1	G5	1 6	97854	٧	
800			17 +12 37 24 • 59	-0.000	3 -0.011	0.4	ľ	Ί			L			1	<u> </u>	ㅗ

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

IUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N.	RA DEC PM PM	VISUAL MAG.	V	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	N S	SA0 C-T-10.	STAP PROP.	1
801	TZ CNC	09 01 09.321	+21 08 51.85	П	+0.0010 -0.00	9.1	6			1.		МО	6	80618	1/	I
802	UU CNC	07 59 41.467	+15 19 07.06	1	+0.0000 -0.00	8.9	6				١.			97496	V	1
803	UV CNC	08 35 52.830	+21 20 09.06	100	+0.0007 +0.00	8.9	6		l		1	MO	6	80312	V	1
804	VV CNC	08 08 22.957	+19 17 52.23	1.	+0.0000 -0.03	5 9.0	6	1		1	l		1	97631	V .	
805	VZ CNC	08 38 09.536	+10 00 10.39	٠ .	-0.0023 -0.02	7 83	5	8.030	7		1	Fo	5	98035	V	- 1
806	XX CNC	08 40 24.319	+20 46 51.97		-0.0002 -0.01	8.0	6		1	1		M3	6	80379	V	1
807	65 ALP CNC	08 55 45 247	+12 03 09.07		+0.0024 -0.03	4 4 26	2	4.39	2	4.54	2	AM	1	98267	D	1
808	17 BET CNC	08 13 48.282	+09 20 27.73		-0.0030 -0.05	2 3.530	1	5.010	1	6.780	1	K4III	1	116569	D	1
809	43 GAM CNC	08 40 23.702	+21 38 58 82	1	-0.0074 -0.04	3 4.66	2	4.68	2	4.69	2	A1V		80378		1
810	47 DEL CNC	08 41 50.747	+18 20 21.83		-0.0012 -0.23	3 3.940	1	5.020	1	6.010	1	KOIII	1	98087	D	
811	41 EPS CNC	08 37 35.068			-0.0027 -0.01	0 6.30	2	6.47	2	6.63	2	АМ		98024		ı
812	16 ZET- 1 CNC		+17 47 59.93	L	+0.0047 -0.13	9 5.102	:				1	F8V+G0	l	97645	Ü	1
813	16 ZET- 2 CNC		+17 47 58.38		+0.0069 -0.11	2 4.67	12	5.20	2	1		DG2	1	97646	D .	
814	33 ETA CNC		+20 36 44.72		-0.0032 -0.04	B 5.35			1		1	KSIII		80243		1
815	31 THE CNC		+18 15 53-29		-0.0040 -0.06		1		1			GM1		97881		
816	48 IOT- 14 CNC		+28 56 39.19		-0.0018 -0.04		2 2	5.162	12	5.942	2	GSII		80416	ס	1
817	48 IOT- 18 CNC		+28 56 57.95		-0.0013 -0.04			7.572		8.352		A3V	ļ.	80415	DV?	1
818	57 10T- 2 CNC		+30 46 12.40		+0.0030 -0.02		1		_			GG7		61125	ח	1
819	76 KAP CNC		+10 52 14.13		-0.0014 -0.01		1	5.130	1	1		AP		98378	V	1
820	19 LAM CNC	08 17 33.902			-0.0016 -0.02		1	5.880		1	1.	B9V	I	80113		۱
821	10 MU CNC		+21 43 42.36	1	+0.0015 -0.07		2	5.93	2	6.14	2	GZIV	I	79959		-1
822	69 NU CNC		+24 39 03.46		-0.0002 -0.00		2	5.43	2	5.33	2	AP	1	80595		١
823	77 XI CNC		+22 14 55.95	4	+0.0002 -0.00		-		1		-	KnIII		80666		ı
824	62 OMI- 1 CNC		+15 30 56 32	l	+0.0039 +0.01		1					A3		98247		1
825	63 OMI- 2 CNC	08 54 47.768		1	+0.0040 +0.02			1.			l	A5		98250		1
826	82 PI CNC	09 12 28.346		1	-0.0028 -0.01							GK1	1 1	98456		1
827	55 RHO- 1 CNC		+28 31 23 16		-0.0366 -0.23			6.780	1	1	l	DKO	'	80478	l n	١
828	58 RHO- 2 CNC		+28 07 10.72		-0.0009 -0.03							G811-111		80511	1	1
829	51 SIG- 1 CNC		+32 39 46 52		-0.0002 +0.0		1		1	1	l	AM		61102	l o	-1
830	59 516- 2 CNC		+33 06 14.89	1	-0.0038 -0.0		1		1.	1		A3	1	61146	"	ı
831	64 SIG- 3 CNC		+32 36 50 89		-0.0036 -0.03		1	1	1		1	669		61177	1	1
832	72 TAU CNC		+29 51 23.34		-0.0023 -0.00		1		1	1-1	l	GSIII		80650	1	1
833	30 UPS- 1 CNC		+24 15 04 24		-0.0061 -0.04			Part of the		1	l	A9N		80229	1	١
834	32 UPS- 2 CNC		+24 15 22.67		-0.0049 -0.05		2	7.38	2	8.26	2	G9III		80245	1	1
835	22 PHI - 1 CNC		+28 03 34.66		-0.0024 -0.12		1-		1	""		KSIII		80181		1
836	23 PHI- 2A CNC	08 23 45.875			-0.0011 -0.00		1	6.480	1		•	AUIII		80188	D	ı
837	23 PHI- 28 CNC		+27 05 57.10	1	-0.0010 -0.00		1	6.500	1		1	AHIII	1	80187	l D	١
838	18 CHI CNC		+27 22 52.07		-0.0012 -0.38		2	5.61	2	5.55	2	F6V		A0104	1.7	1
839	14 PSI CNC	08 07 26.658			-0.0050 -0.39		1-	6.560		3.33	Γ.	DG6	1	79995	i ·	1
840	2 OME CNC	07 57 54.480		1	+0.0010 +0.00			3.3	1	1		IGG8		79861		1
841			+53 42 45.72	1	-0.0024 -0.02		1.					GKO	1	28309		1
842	1 CVN 2 CVN		+40 56 18.07	1	+0.0013 -0.03		1 .		1			MITTI		44097	D	1
843	3 CVN	12 17 21.284	+49 15 41.27	1	-0.0012 +0.00		1	1	1			GM1	1	44127] _	-
844	5 CVN		+51 50 20.55	1	+0.0009 +0.0		2	5.67	2	6.29	2	67111		28366	1	-
845	6 CVN		+39 17 44.80		-0.0070 -0.03		1-	1		1	Γ.	GBIII-IV	1	63000		1
			+51 48 40 • 66		-0.0315 +0.0				1	1		DF6		28407		1
846			+41 08 57.73		-0.0025 -0.02			6.550	1			A5V	1	44265		- [
847	9 CVN				-0.0309 +0.1		2	6.50	2	6.47	2	GOV		63177		. [
848	10 CVN		+39 33 00.73		-0.0069 +0.0		١٤	6.440	٦	3.7/	۲	AM		44332		
849	11 CVN		+48 44 20.61				1		1	1	ľ	B9V		63338	V?	1
850	14 CVN	15 05 24.2/3	+36 03 57.55	1.	-0.0027 +0.01	7 5.00		4.920	1 .	1 4 4 4 4 4	1. 1	DYV	1	60000	1 v.	1

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

UMBER	STAR Designation	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA DEC PM PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT-NO.	STAR PROP.	
851	15 CVN	13 07 24.057	+38 47 58.97		-0.0016 -0.002	6.10		5.980				B7111		63374	י ס	1
852	16 CVN	13 07 43,603	+38 59 22.62		-0.0035 -0.009	7.04	4		l			A3	4	63377		1
853	17 CVN		+38 45 51 • 02		-0.0063 +0.038	5.98	i				l	Fn		63380	י ט	ı
854	18 CVN	13 09 12.571	+41 03 28-17		-0.0033 -0.013	7.34	4					l Ko	4	44499		1
855	19 CVN		+41 07 07.39		-0.0098 +0.011	5.59			1			A5		44531		1
856	21 CVN		+49 56 40 . 38	- 8-	-0.0034 +0.015	5.15	1				l	A0		44556	٧?	
857	23 CVN		+40 24 44-81		-0.0054 -0.008	5.55						GK1		44570		
858	24 CVN		+49 16 15 85		-0.0132 +0.023	4.70	2	4.82	2	4.93	2	A4V		44668	_V?	
859	25 CVN		+36 32 54.96		-0.0084 +0.022	4 83	2	5.06	2	5.15	2	A7III		63648	D.,	
860	R CVN		+39 47 26 61		+0.0017 -0.006	7.4					1	GM6		63763	V	
861	S CVN	13 10 48.487	+37 38 29.78	1	-0.0017 -0.027	7.9	6					MO	6	63409	V	
862	V CVN		+45 47 22.43	1	-0.0047 -0.002	7.5	6			l		M4E	7	44564	V	
863	Y CVN		+45 42 47.87	1	-0.0002 +0.012	4.87	2	7.41	12	14.03	2	C5-4		44317	ľ	
864	4 AI CVN	12 21 19.690	+42 49 10 • 04	i	-0.0072 +0.009	5.93	۱. ا	6.290		l		F0		44155	V	
865	20 AO CVN		+40 50 07.24	l	-0.0112 +0.017	4.73	2	5.03	2	5,23	2	FOII-IIIP	ا ہا	44549	V	
866	RS CVN		+36 12 01.14	1	-0.0048 +0.023	8.3	6					F8	6	63382	ľv	
867	RW Cyn		+37 26 22.34	1	+0.0019 -0.027	8.6	6		l.,		ľ	1		63872	ľ	
868	SY CVN		+47 18 24 - 11	l	+0.0000 +0.023	9.2	6	٠.						44494	v	
869	TT CVN		+38 05 14-10	1	-0.0022 -0.029	7.9	6	e*				NA	- 6	63280	ľ	
870	TU CYN		+47 28 03.10	1	-0.0019 -0.008	5.83	ا ـ ا					M4		44383	v	
871	TV CVN		+42 31 50 • 10	1.	-0.0013 -0.029	9.1	6	100	1		ŀ			44528	v	
872	TX CVN	12 42 17.910	+37 02 14.41		+0.0025 -0.019	9.4	6		4			4.4.3		63173 44163	v	
873	UY CVN	12 22 27.162	+45 51 42.01		+0.0031 -0.044	9.0	6	1							v	
874	VY CVN		+38 01 58.40	ı	+0.0021 -0.054	8.4	6	= A11		- 0.	١,	F0V		63576 63256	D	
875	12 ALP- 1 CVN		+38 35 03.82		-0.0203 +0.057	5.60	2	5.94	2	5.91 2.450	2	FOV B9.5PV		63257	Ďν	
876	12 ALP- 2 CVN	12 53 41.478	+38 35 16.82		-0.0201 +0.052	2.890	2	2.770 4.86	2	4.91	ĺ	GOV		44230	D.	
877	8 BET CVN		+41 37 44 • 10		-0.0631 +0.288	4.27	-	4.00	٦	4.21	٦	GUV		44230		
878	3 CMA	= DEL COL	10.00 .5.00		-0 0006 +0 006	5 00	ا ہ ا	5.25	2			В8		151919		
879	11 CMA		-14 22 15.42		-0.0006 +0.009	5.29	2	5.89	2	5.27	2	88		172318		
886	12 CMA		-20 57 36-18		-0.0014 +0.003	6.08	ا م	3.07	٦	3,21	-	A2		172569	D	
881	17 CMA		-20 20 22.93		-0.0006 -0.006	5.75 5.86					١.	B3		173193		
882	26 CMA		-25 51 27.36		-0.0010 +0.009			5.750	-			F1V		152724	v	
883	R CMA		-16 17 59.94		+0.0105 -0.134	7.0	6	3,730	'		ŀ	NA	6	152427	v	
884	W CMA		-11 50 35.15 -11 28 35.91	1	-0.0014 +0.021	8.6	6				[BP	6	152302	v	
885	Z CMA		-26 01 20.77		-0.0009 +0.014	8.2	6		i			M3	6	173257	v	
886	CO CMA		-23 41 51.68		-0.0031 -0.009	8.8	6				į .	B9	6	173554	ľ	
887	CW CMA				-0.0010 +0.005	4.65	2	4.45	2	3.76	2	BSITIPE	J	173264	οv	
888	27 EW CMA		-26 15 54.11 -20 09 40.03	1	-0.0009 +0.003	4.83	2	4.62	2	3.66	2	BIIV		172520	l Šv.	
889	15 EY CMA		-23 51 51 60		-0.0010 +0.001		4	7006	1	5.650	7	WN5	7	172546	١v	
890	EZ CMA		-11 12 56.53		-0.0012 -0.008	5.39	2	5.44	2	4.60	lż	BO.5IV		152394	ρv	
891	FN CMA		-11 12 56·53 -11 44 55·60		-0.0011 -0.007	5.46	-	5.45	15	7.00	-	BIVPE	6	151401	ρv	
892 893	FR CMA		-13 01 11.68		+0.0008 +0.016		4	7.49	7		l	B2IVE	7	151534	v	
894	10 FT CMA		-31 01 04.81		-0.0016 +0.006		'		7		ŀ	B3P		197149	עם	
	FU CMA		-22 02 53.31	l	-0.0008 -0.020		2	6.36	2			B3IV-VNE	7	172725	DV	
895	FV CMA		-23 45 39.91		-0.0007 +0.021		ا ٔ ا	5.55	7		l	B2IV-VE	7	173002	v	
896			-16 06 06·39		-0.0014 -0.013			5.29	' '		l	B3VE		152834	ΙΫ	
897	FW CMA		-11 37 07.20		-0.0010 +0.006		6	11.18	7		l	53,9(C1)	7	152891	Į v.	
898	FX CMA		-22 59 02.77		-0.0012 +0.001			5.34	7		1	BOIV-VPE	7	173752	ľv	
899	FY CMA	07 14 16.714			+0.0005 -0.001		6		1 ' '	The state of the state of		KO	6	152649	Ιΰ	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N		B N		U N	SPECTRAL CLASS	S N	SAN CrT.NO.	STAR PROP.	0
901	SW CMA	07 06 07.882	-22 21 36.06	-0.0006	-0.004	9.1	6					An	6	173039	V	
902	TU CMA	06 29 32.673	-24 07 37-14	-0.0005	+0.005	9.6	6		. 1		1	A3	6	171888	v	1
903	TX CMA		-22 31 57.81	-0.0025			6					Ba	6	171416	V	1
904	29 UW CMA		-24 27 58 78	-0.0008		4.950		4.800	1	3.800	1	07F	~	173444	ĺv	
905	VY CMA		-25 40 11.90	-0.0026		8.18	1	8.150		7.460		M3CE	1	173591	να	1
906	9 ALP CMA		-16 38 46.37 C	-0.0379		-1.460		-1.460		1.960		AIV	_	151881	أم ا	1
907		06 20 29.789		-0.0009		1.970		1.730		0.770		BIII-III	7	151428	1 Wv	1
			-15 33 28.79			4.12			. 1				1 ′			1
908	23 GAM CMA			-0.0004					2		2	BBII	1	152303		1
909	25 DEL CMA	07 06 21.436		-0.0006		1.840		2.510		3.050		FBIA		173047	_	1
910	21 EPS CMA		-28 54 10 24	+0.0001		1.500		1.290		0.360		BZII		172676	D	1
911	1 ZET CMA		-30 02 23 86	+0.0004		3.020		2.840		2.120		B2.5V	l	196698		
912	31 ETA CMA		-29 12 16.04	-0.0006		2.440		2.350		1.640	1	BSIA	1	173651		
913	14 THE CMA		-11 58 28 64	-0.0098		4 • 0.8	2		2		2	K4III	i	152071		1
914	20 IOT CMA	06 53 54.354	-16 59 16.84	-0.0007	+0.008	4 • 37	2	4.31	2	3,61	2	B3II		152126	٧?	
915	13 KAP CMA		-32 26 58 66	-0.0009	+0.002	3.950	1	3.720	1	2.790	1	B2VE	ļ	197258	i	
916	LAM CMA		-32 32 50 81	-0.0019	+0.023	4.48	2	4.31	2	3.70	2	B5	1	196857		1
917	18 MU CMA		-13 58 38.75	-0.0005			2		2			G5+A2	1	152123	D	1
918	6 NU - 1 CMA	06 34 11.405	-18 37 02.99	-0.0012	+0.015	5 . 81						GSIII	ŀ.	151694	n o	1
919	7 NU - 2 CMA		-19 12 43.33	+0.0040		3.920	1	4.970	1	5.960	1	KIIV	ŀ	151702		
920	B NU - 3 CMA		-18 11 34 09	-0.0011		4.42	2		2		2	KIII-III		151730	i .	1
921	4 XI - 1 CMA		-23 22 52.26	-0.0008			2		2		2	B0.51V	1	171895	DV	1
922	5 XI - 2 CMA		-22 55 26.07	+0.0003			2		2		2	AOV	1	171982		
923	16 OMI- 1 CMA		-24 07 12.87	-0.0009			2	5.63	2		2	KSIAB		172542	l v	1
924						3.010		2.930		2.130			l .		l • •	
	24 OMI- 2 CMA		-23 45 32 46	-0.0005								BSIA	1	172839		i
925	19 PI CMA		-20 04 17.13	+0.0029		4 • 69			2	5.11	2	GF2	1	172579	0	
926	22 516 CMA		-27 51 43.32	-0.0006		3.430		5.150		7.020		MOIAB		172797	DV	
927	30 TAU CMA		-24 51 42.54	-0.0010		4.400		4.250		3.260		09111	1	173446	DV?	1
928	28 OME CMA		-26 41 05.01	-0.0009		3.820	1	3.640	1	2.900	1	BSIVE	1	173282	V	ļ
929	1 CMI		+11 46 08.64	-0.0012		5.28						A4III	1	96871	<u>l</u>	
930	6 CMI		+12 06 41.66	+0.0000		4 • 55	2	5.84	2	7.21	2	KSIII		96952		1
931	11 CMI	07 43 31.103	+10 53 29.87	-0.0019	-0.024	5.22		5.230			1	A1V	1	97224	٧?	1.
932	14 CMI	07 55 45.091	+02 21 34 14	-0.0108	+0.096	5 • 28	2	6.19	2	6.91	2	KOIII		116182		
933	R CMI	07 05 57.563	+10 06 16.10	-0.0008	-0.009	7.2	4					SE	4	96548	V	
934	S CMI		+08 25 35.49	-0.0014	-0.008	7.0	4	1			١	M7E	4	115591	V .	
935	W CMI		+05 31 08 83	-0.0000	+0.020	8.8	6				•	NA	6	115963	V	1
936	AD CMI		+01 43 39.14	-0.0012		9.0	6	100	14.1		l	F2	6	116066	V	1.
937	AZ CMI		+02 31 33.73	-0.0034			2	6.67	2	6.81	2	l FO	6	115864	l v	1
938	YY CMI		+02 04 26 92	-0.0006		8.6	6			0.01	I_	F5	6	116352	v	1
939	10 ALP CMI		+05 21 16.81 C	-0.0473				0.790	1	0.820	١,	FSIV	"	115756	DV?	1
940	3 BET CMI		+08 23 29.89	-0.0036					1	2.520		B7V		115456	V?	
												1		115478	ا م	
941	4 GAM CMI		+09 01 42.20	-0.0043		4.30	2	5.47	2		2	KSIII			J	1
942	7 DEL- 1 CMI		+02 01 18.95	-0.0011		5.25	2		2		2	A8		115581		
943	8 DEL- 2 CMI		+03 23 54.02	-0.0014			2	5.90	2		2	A5		115610	1	1
944	9 DEL- 3 CMI		+03 28 53.51	-0.0010		5.81	2		2		2	A0		115644		1
945	2 EPS CMI		+09 22 34 68	-0.0005		4.99	2	6.00	2		2	GBIII		115425	l	
946	13 ZET CMI		+01 53 45-19	-0.0013	-0.005	5.14	2		2		2	B8		116043		1
947	5 ETA CMI	07 25 20.734	+07 02 43.34	-0.0004	-0.046	5.25	2	5.47	2	5.64	2	GF0		115477	ם	
948	3 CAP		-12 29 29.66	+0.0006		6.41		6.420			l	B9		163402	D	1
949	4 CAP		-21 57 57.37	+0.0024			2		2	I	1	GBIV		189114		
950	13 CAP		-15 19 18.53	+0.0043		6.93	4		ı T	i : .	Ĭ	l Ko	4	163740	I .	1

TABLE 3 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	NS AND ST	DEC PM	VISUAL	2 <	BLUE	B N	υV	U N	SPECTRAL CLASS	S N	SAO CAT.MO.	STAR PROP.	Į,
NUMBER:	DESTONATION	Ult 1977 TH		.0.005	0.000	5.89						AO		189667		
951	17 CAP	20 43 16.212	-21 41 49.29	+0.0015		5.91			1 1			GKO		163975		1.
952	19 CAP	20 51 58 444	-18 06 49.76	-0.0037		6.23			1			ADSI		164043		
953	20 CAP	20 56 45.807	-19 13 48.99	+0.0007			4.		1 1			K0	4	164061		1
954	21 CAP	20 58 03.042	-17 43 37.22	-0.0019		6.88	u l		1 1			KO	- 4	190065	1.	
955	26 CAP	21 06 24 615	-20 23 47.76	+0.0019		6.15	1					DF1	1	190069	٧?	
956	27 CAP	21 06 41.624	-20 45 30 12	+0.0085	10.122	5.28		6.900	1 1			GM3		164263	V?	- 1
957	29 CAP	21 12 58.911	-15 22 49.49	+0.0017		5.39		5.270	1 1			B8		164286	1	1
95g	30 CAP	21 15 09.166	-18 11 44.64	+0.0011		6.31		302.0	l I			A5	1	164289		1
959	31 CAP	21 15 27.944	-17 40 22.92		+0.006	5.77		7,250	1 1		1	GK2		190295	٧?	1
960	33 CAP	21 21 19.652	-21 03 56 27		-0.129	5.78	2	7.22	2	8,96	2	KSTII	1	190349		.
961	35 CAP	21 24 24,890	-21 24 48.74		-0.027	5.79	-	' ' ' ' '	-	****	-	DF1		190461	1	-
962	37 CAP	21 32 02.703	-20 18 29.78		+0.034	7.02	4			1.0	1	l F8	4	190463		1
963	38 CAP	21 32 06.423	-20 28 31 - 14		-0.060		-					669		190559	0 .	1
964	41 CAP	21 39 10.107	-23 29 23.82		-0.086	5.32	1		ľ		!	GZIV		164580	į .	1
965	42 CAP	21 35 49.849	-14 16 17.42		-0.304	5 • 28	i	100				A5M	1	164600		
966	44 CAP	21 40 20.831	-14 37 45•10		+0.027	9.9	1	1			1	A5M		164612		
967	45 CAP	21 41 17.251	-14 58 46 • 14		+0.010	5.90	۱	1	1	:	1	F8	1 4	164640		-
968	50 CAP	21 44 00.428	1-11 55 40 13		-0.128	7.02	4		1.		١.	MITT	`.	190025	ם	- [
969	24 A CAP	21 04 12.403	-25 12 24.97		-0.041	4.490		6.090	1	7.990		GG5		190374	~	- 1
970	36 -B CAP	21 25 52.531	-22 01 33.65	+0.0099	-0.004	4.51	2	5.42	2	6.02	2			145637		
		21 42 20-376	-09 18 47.02	+0.0012	-0.002	5.09	2	6.20	2	7.14	2	GBII-III	7	145648	. v.	- 1
971	46 -C- 1 CAP	21 43 36.291	-09 30 26.97	+0.0012	+0.012	6.01	2	7.67	2	9.53	2	MSIII	'	163323	v	
972		20 08 30-184	-14 25 02.37	+0.0003	-0.004	9.1	4						۱.	163801	ľ	١
973		20 38 52-877	-19 14 13.43	-0.0013	-0.015	8.5	6	1	1			G5	6	164343	ľ	- 1
974	S CAP T CAP	21 10 15 400	-15 22 21 67		-0.012	8.1	4		1	1	1	M2E	4	164193	l v	
975			-16 22 41.81	+0.000	2 -0.039	8.6	7				1	M4E	6		ľ	
976	Z CAP		-14 59 41.87		L -0.003	8.8	6		1		1	M4	6	164042	l v	
977	AB CAP	20 56 43.18	1-16 13 58-52		2 -0.024	9.2	6				1	KO	6	164558	lů	١
978	AD CAP	21 37 03 17	-16 00 53.18		3 -0.020	8.4	6		İ		ļ	M4	6	163437	V	- 1
979	AE CAP		5 00 33410								1	1	1		V	- 1
980	AG CAP	- 47 -U-2 CRI	8 -16 37 26.45	+0.000	5 -0.025	8.5	6	1 .			1	M6	6	164150	V	
981	RS CAP		8 -14 05 33.80		5 +0.005	8.9	6	1	1	1		M4	6	164507		- 1
982	UU CAP	21 33 20.04	7 -12 39 51.04		3 +0.002	4.26	2		2	6.15	2	GSIB		163422	D	
983	5 ALP- 1 CAP		8 -12 42 04 49		2 +0.005	3.580	1	4.530	1 1	5.220	1	GOIII		163427	D	
984	6 ALP- 2 CAP	20 15 10.07	1 -14 56 38.31		8 +0.001	6.16	1	6.140	וו			B9		163471		
985	BET- 1 CAP		1 -14 56 36.57		7 +0.003	3.080	1	3.87	0 1	4.140		F8V+A0	1	163481	D	
986	9 BET- 2 CAP	20 18 12.20	0 -14 56 26.57		1 -0.022	3.670				4.200	1	AM	1	164560	J 500	
987	40 GAM CAF		2 -16 53 21.05		2 -0.294	2.830				3.220		AM		164644		į
988	49 DEL CAF		2 -16 21 18.42	40.010	7 +0.006	4.72				3.98	2	B3V2P		164520		
989	39 EPS CAF	21 34 17.00	2 -19 41 27-69		1 +0.027	3.74					1	G5P	1 .	190341		
990	34 ZET CAF		8 -22 37 44.34		5 -0.035	4.84	2	1			2	A3M?		189986		
991	22 ETA CAF		4 -20 03 14 10		8 -0.056	4.07					2	AOV		164132		
992	23 THE CAF		8 -17 25 57.78		2 +0.006	4.27					2	GBIII		164346		
993	32 10T CAF	21 19 27.88	8 -17 02 55 00		3 -0.004	4.73					2	GBIII	1.	164593		
994	43 KAP CAF	21 39 52.12	1 -19 05 42.64			5.59		5.58		1	1	A2V		164639		
995	48 LAM CAF	21 43 50.68	8 -11 35 50 88		9 -0.007	5.08					- 1	FOV		164713		
996	51 MU CAI	21 50 34.30	5 -13 47 16.98		2 +0.014	4.76	, .				2	B9V		163468	D	
997	B NU CAI	olon 17 53.48	5 -12 55 04.49		1 -0.018			1 7.72	-	••••	1	KOIII		163328		
998	1 XI - 1 CAL	olon ng 11.71	5 -12 32 32 44		6 -0.016						- 1	F8V	1	163337		
999	2 XI - 2 CA	0 20 09 38.77	3 -12 45 55 47		2 -0.193			6.96	2	7.00	12			163625		
1000	12 OMI- 1 CA	2 2n 27 00.63	4 -18 45 12.18	+0.001	3 -0.088	6.74	14	0.90	16	1,00	1-	1,15	1			

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	> 2		B N	-	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G
1001	12 OMI- 2 CAP	20 27 01.999	-18 45 00.30	+0.0017	-0.081	5.94	2	6.02	2	6.32	2	AZ		163626	D	Γ
1002	10 PI CAP	20 24 27.627	-18 22 37.45	+0.0009	-0.010	5.20		5.130			1	B8		163592	ם	1
1003	11 RHO CAP		-17 58 49.23	-0.0011		4.81	2	5.18	2	5.23	2	F2IV	1	163614	D	
1904	7 SIG CAP		-19 16 33.69	+0.0004	-0.006	5.46		17	1. 1	.7 ****		KSII		163445		١.
1005	14 TAU CAP	20 36 28.701	-15 07 53.44	+0.0003	-0.021	5.30						Belli		163771	D :	
1006	15 UPS CAP	20 37 12.309	-18 18 57.79	-0.0015	-0.018	5.10		6.740			l .	M2III		163779		
1007	28 PHI CAP		-20 51 37.35	+0.0009	+0.004	5.35				40.00	1 .	GG9		190173	1	
1008	25 CHI CAP	21 05 41.937	-21 23 44.70	+0.0013	-0.056	5.27				100	1	AOV		190050	D	
1009	16 PSI CAP		-25 27 07.14	-0.0036	-0.156	4 • 130		4.560		4,600	1	F5V	1	189664		
1010	18 OME CAP		-27 06 27.20	-0.0004		4.120		5.750		7.660		KSIII		189781	1	
1011	A CAR		-53 33 47.16	-0.0004			2		2		2	GG3	1	234737		
1012	-A CAR		-58 45 41.72	-0.0034		3.440		3.250		2.560	1	B2IV		236693	٧?	1
1013	B CAR		-61 08 59.78	-0.0219			2		2		2	DF7		250131		1
1014	-B- 1A CAR	08 55 45.016		-0.0019		4.909		4.739		4.089		BSIV		236436	D	2
1015	-B- 1B CAR	08 55 50 184		-0.0006		7.349		7.179		6.529	1	B8	4	236440	D.	13
1016	-B- 2 CAR		-58 53 30 25	-0.0227			2		2			DF4		236475	D	1
1017	C-1 CAR		-62 45 39.52	-0.0031			2	5.24	2		l	A2		250164	D.	
1018	C- 2 CAR		-62 45 36.49	-0.0073			4				l			250165	D.	1
1019	-C CAR		-60 27 11.05	-0.0032		3.840		3.740		3,290		BBII	l	250374	D	
1020	D- 1 CAR	07 59 42.321		+0.0001		4 • 820		4.650		4.030	1	B3IV	١	250069		1
1021	D-2 CAR		-62 41 33.14	-0.0012			2		2			B4VN	1	250101	D	1
1022	-D CAR		-59 34 55 65	-0.0005		4.325		4.205		3.395		BIIII		236181	D	
1023	E CAR	09 05 14.516		-0.0007		4.700		4.550		3.750	1	B2VE	ĺ	256583	۸5	1
1024	-E- 1 CAR		-58 03 03.51	-0.0041			2		2		_	B3VN		236105	1	1
1025	-E- 2 CAR		-57 50 08.00	+0.0051			2		2		2	GG9		236106	l	1
1026	-F CAR		-56 35 06.99	+0.0001		4.400		4.240		3,520		B2VNE		236268	۸5	
1027	G CAR	09 05 01.948		+0.0025			2		2		2	F611-111	1	256582		1
1028	-G CAR	09 14 47.406	-57 19 53.02	-0.0018			2	5.97	2		2	GK5	1	236787	٧?	
1029	H CAR	09 31 14.673	-72 51 32.55	-0.0043			2		2		2	K2	1	256634	ĺ	
1030	-H CAR	09 32 59.588		-0.0015		4.085		4.090		3.535		B511	1	237117		
1031	I CAR	10 23 24.484		-0.0044		4+000		4.350		4.340		F3IV-V		256710	V?	
1032	-I CAR	09 10 08.631		-0.0059		3.970					1	BSIV	l	250471		1
1033	K CAR		-71 44 06.98 -62 11 27.88	+0.0043		4.735		5.085		4.840		A2M	i .	256722		1
1034	-K CAR	09 19 44.969 10 21 29.054		+0.0010			2		2		2	G67		250544 250940	ĺ	1
1035 1036	L CAR		-62 16 36 42	-0.0023		3.400	2	4.600		4.35 5.600	2	B8 CG2	1	250683	l v	
1037	M CAR	10 12 05.677		-0.0058			2	5.38	2		2	A M		250880	V	
1038	-M CAR	09 37 57.870	61 06 00 10	-0.0055			1		1	4.255		Bev		250653		
1039	N CAR	06 33 52.402	-52 56 02.61	-0.0015			2		2	41233	*	B9111		234589		
1040	-N CAR	09 25 39.313	-64 42 45.04	-0.0084			2	6.20	2	6.30	2	A3		250583		1
1041	O CAR		-55 29 02.06	+0.0005			2	7.13	2	0.50	1	K2		234710		
1042	P CAR		-57 22 59.78	-0.0005			2	5.16	2	5.17	2	FOIA		238077	V2	1
1043	-P CAR		-61 25 39.68	-0.0028		3.350	_	3.250		2.540		B5VE	1	251006	V.	1
1044	Q CAR		-52 25 17.59	+0.0019			2		2		2	GK2		235336	,	1
1045	-Q CAR		-61 04 55.08	-0.0037		3.380		4.930		6.630		KSIB	1	250905	l v	
1046	R CAR		-62 34 01.09	-0.0049		6.000		7.350		7.950		GM5E	1	250614	να	1
1047	-R CAR		-57 17 53.77	-0.0027			2		2		2	GK3		238222	"	1
1048	S CAR		-61 18 14.15	-0.0129		5.4	-	5.0	-			GK5E		250840	lν	1
1049	-S CAR		-58 29 01.15	-0.0018		3.820	 	4.130	1	4.360	lı .	FOILI		238085	V2	1
1050	T CAR		-60 15 03.74	-0.0045			2		2	7,500		GKO	l	251178	v	
1020	I CAR	10 33 10.300	T- 03.14	-0.00-3	1.0.00	~.76	-	, • 00	15		l.	1480		L	ı *	1

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

			STAR DESIGNATI	ONS AND	STAR DATA	ORDERE) B	A DE216	NA	IONS						
NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F	RA PM	DEC PM	VISUAL MAG.	> 2		BN	UV MAG.	U N	SPECTRAL CLASS	S	SAO CAT.NO.	STAR PROP.	G N
1051	-T- 1A CAR	10 37 04.718	-58 33 22.51	-0.01	08 +0.009	5.935		7.375		!!		GM1		238304	ם ב	31
1052	-T- 1B CAR		-58 33 17.39		18 -0.004			10.399			1.	В	4	238305	.D	32
1053	-T- 2A CAR	10 36 50.545	-58 55 20 21		13 -0.002			6.156		7.126		CK		238295	DAS	33
1054	-T- 2B CAR	10 36 51.229	-58 55 06.55		04 -0.008		2	10.727	2	11.697	2	A	4	238297	D,	1 34
1055	U CAR		-59 27 50 85		12 +0.013	6.10	1.	7.500		l	I.	GO		238635	V 2	
1056	-U CAR		-58 35 14.24		88 +0+027	3.780		4.430		5.380	11	KOTII-IV	١	238574	V	
1057	V CAR	08 27 42.525	-59 57 17.92	-0.00	04 -0.014	7.4	4	8.110	7			G5	4	236021	1 ° .	
1058	W CAR	⊨ V VEL	1.				1_				١.	la	Į	251000	V? .	1
1059	-W CAR	10 41 37.657	-60 18 14-13		40 +0.003	4 • 57	2	6.28	2	8.15	2	СК		251090	V	1
1060	X CAR		-59 03 25.26		28 -0.012	8.0	17				١.	A0	6	236056	l v	
1061	-X CAR	11 06 26.766	-58 42 13.82		09 -0.002	3.910	11	5.150		6.090	1	GOIA-0	1	238813 238178	l v	1
1062	Y CAR	10 31 17.716	-58 14 25 44		11 -0.005	7.94	14	8.340			1 2	F5	6	251316	ا م	1
1063	-Y CAR		-60 02 43.18		05 -0.000	4.60	2		2		2	FOIA SGG5		251269	'	
1064	-Z- 1 CAR		-62 09 12.83		56 +0.009	4.61	15		2	6.45	١٤	BOIA	1.	251286		1
1065	-Z- 2 CAR		-61 40 33-27		31 +0.007	5.13	2	5.36	-			MC	6	234939	lv	
1066	AC CAR		-58 18 06 • 02		27 -0.002	9.1	7	The state of the			ŀ	PEC	4	251185	ľ	1
1067	AG CAR		-60 11 10.82		02 -0.016	6.5	6				1	MO	6	238447	l v	
1068	BO CAR		-59 13 30 92		33 -0.014	7.8	12				1	K5	4	251169	v	ı
1069	BZ CAR		-61 46 33 66		15 -0.021	9.0	6	1			1	MB	6	238038	l v	
1070	CK CAR	10 22 39.043	-59 56 15.93		19 -0.031	7.0	7					B8	6	237813	v	1
1071	DO CAR		-58 58 14.03		27 +0.005	9.1	14		1			B3	6	251312	ľ	1
1072	EM CAR		-60 49 23.02		11 +0.001	8.7	4	8.400	١,	1	1	F8	1 4	238825	Ιv	1
1073	ER CAR		-58 33 59 52		01 -0.017	7.72 9.1	17	8.400	[1	PEC	6	251181	l v	1
1074	GG CAR		-60 07 30 73		06 -0.003	8.77	17	9.380	7			F8	6	238884	Ιv	
1075	GI CAR		-57 38 18-09		16 -0.016	9.0	15	7.350	ľ			B9	6	238265	V	1
1076	GM CAR		-58 58 47.08		25 -0.013 22 +0.024	9.8	17		1		1.	88	6	237142	V	1
1077	GW CAR		-59 45 39.56		05 -0.013	8.5	17	1	Ŀ.	1	1	BŽ	6	237917	V	
1078	HP CAR		-57 09 12.70		02 -0.032	6.6	6		1.		1	1 -	6	238005	V	
1079	HR CAR		-59 22 17.38 -61 28 57.45		04 -0.007		7	9.720	7	100	1	К2	6	251314	V	
1080	IT CAR		-63 24 43.29		09 -0.005	7.9	7	1			1	1 ''-	1	250584	V	
1081	IW CAR		-59 43 02.01		07 -0.014	7.4	6		1		1	МО	16	238523	l v	1
1082	IX CAR	= -P CAR	-37 43 02402	1 000		1 111					1	1	1	1	1	
1083	PP CAR	04 10 59 AZA	-54 31 28.63	-0.0	34 +0.046	9.5	15		l			AZ	7	234458	V .	
1085	QS CAR		-70 54 24 15		89 -0.002	8.9	6					G	7	256729	V	ł
1086	QX CAR		-58 11 01.77		09 +0.010	6.72	4	6.55	7			B5V	7	237480	V	1
1087	GY CAR		-57 48 47.32		30 +0.001	5.70	2	5.62	2			B2IVPNE	7	237776	V	1
1088	OZ CAR		-59 43 49.18		06 +0.001	6.64	4	6.79	7			09.5IB:	7	238414	DV	1
1089	RR CAR		-58 37 18-96		20 +0.013	8.1	4			1		M6	4	237549	V .	1
1090	RT CAR		-59 09 00 60		22 -0.017	10.0	6		1		1	1		238424	V	1
1091	UW CAR		-59 24 51 54		63 -0.010	9.2	6	9.980	7		1	GO	6	238071	V	
1092	VY CAR		-57 18 08 35		04 -0.004	7.71	7	8.510	7			G5	6	238416	V	1
1093	V 337 CAR	= -G CAR							1			1		0-44	1	
1094	ALP CAR		5 -52 40 03.44		29 +0.022	730				0.530		FOIB		234480		1
1095	BET CAR		-69 30 39.63		288 +0.102	1.680		1.680		1.710		ALIV	1	250495	1	1
1096	EPS CAR	08 21 29.383	5 -59 20 52.98		33 +0.015	1.860		3.140		3.330		KOII+B	1 _	235932	N.5	1
1097	ETA CAR	10 43 06.90	2 -59 25 15.86		003 +0.006	6.220		6.840		6.380		PEC	7	238429	DV	
1098	THE CAR	10 41 10.052	2 -64 07 55.35		32 +0.008	2.760				1.540		09.5V		251083	V?	1
1099	IOT CAR	09 15 45.10	9 -59 03 53.69		025 +0.005	2.250				2.590		FOI		250695	D V.	3
1100	UPS- 1 CAR		8 -64 50 22.20	-0.0	015 +0.007	3.034	1	3.304	1	3.434	1-	A9II		220032	1 "	13

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA DEC PM PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CIT.NO.	STAR PROP.	,
1101	UPS- 2 CAR		-64 50 24.79		-0.0013 +0.01	5.914	1	6.184	1	6.314	1	Fo		250696	n	1
1102	CHI CAR	07 55 30.426	-52 50 50.75		-0.0037 +0.02	3.470	1	3.290	lı	2.640		BZIV		235635		1
1103	OME CAR	10 12 33.047	-69 47 21.35		-0.0062 +0.00	3.320	1	3.240		2.920		B7IV		250885		
1104	1 CAS		+59 08 57.60	ľ	+0.0010 +0.00		2	4.83	2		2	B0.51V		35147	1	1
1105	2 CAS	23 07 35.234	+59 03 41.17		-0.0006 +0.01			6.100	ı]			DA9		35186	D	1
1106	4 CAS	23 22 36.330	+62 00 29.34		+0.0013 -0.00		1	-				MIIII		20614	l "	1
1107	6 CAS		+61 56 11.81	I	-0.0008 +0.00		2	6.08	2	6.06	2	ASIA	1	20869	DV?	1
1108	9 CAS		+62 00 34.13		-0.0007 +0.01		1	6.160				AOIII		10954		1
1109	10 CAS	00 03 49.656	+63 55 04.66		+0.0014 +0.00		1.	5.420)			B8		10978	1	1
1110	12 CAS	00 22 00.992	+61 33 15.31		+0.0016 +0.00		1	5.370		1		B8	1	11172		
1111	13 CAS	00 28 31.443	+66 14 37.43		+0.0039 +0.00				1		1	85	100 5	11243	1	1
1112	16 CAS		+66 28 29.78		+0.0036 +0.00		1	6.290	ıl	-	ı	В9	1	11265		
1113	23 CAS		+74 34 29.87		+0.0041 -0.00		1	5.330	1		i ·	B8		4226		1
1114	31 CAS	01 07 14.623	+68 30 47.88		+0.0068 -0.01		1		1			AO	1	11612	l	ı
1115	35 CAS	01 17 43.398	+64 23 48.68		+0.0089 -0.01		1		1		ľ	AO	17.0	11712	DV2	1
1116	38 CAS	01 27 28.374	+70 00 29.68		+0.0271 -0.07				1	-:	l	DF6		4422	1	1
1117	40 CAS	01 34 28-470	+72 47 10.46		-0.0024 -0.00				1		1	GBII-III		4453	DV?	1
1118	42 CAS	01 39 00.923	+70 22 15.78	1.	+0.0156 -0.00							A0		4470	٧?	1
1120	43 CAS	01 38 36.402	+67 47 28.24		+0.0095 -0.00			5.510				AP		11919		1
1121		01 39 55.363	+60 18 00 24		+0.0012 -0.01			5.770				B9		11941	D	1
1122	47 CAS 49 CAS	02 00 02.232		- }	+0.0366 -0.05				1		1	A2N		4562		ŀ
1123	50 CAS	02 00 40.706 01 59 07.151	1+75 52 34.67		-0.0052 -0.01		١.	l				GBIII	ŀ	4565	D	ı
1124	51 CAS	02 01 25.450	174 00 44 10		-0.0092 +0.029			3.970	1	4.010	1	A1V		4560		1
1125	52 CAS	01 59 07.482	764 70 41 110		-0.0006 -0.011	7.50	4		1	4.1		AO	4	4570		
1126	53 CAS	01 59 16.588	164 08 E0 08		-0.0000 -0.009 +0.0009 +0.001		١.		١.		_	A2		12095		1
1127	54 CAS		471 19 06 97	10.0	+0.0644 -0.23		2	5.96	2	5.69	2	BBIB		12097		1
1128	55 CAS	02 10 31.757	+66 17 20.32		-0.0010 +0.001		4					F8	4	4588		
1129	48 A CAS	01 57 48.527	+70 39 57.27		-0.0131 +0.010		2	n 70		,		DF2+A2		12180	_V?	1
1130	R CAS	23 55 51 685	+51 06 36.38		+0.0083 +0.014		2	4.70	2	4.76	2	A4V		4554	D	1
1131	S CAS	01 15 57.715	+72 20 55.56		+0.0001 -0.015		4	41.0				GM7E		35938	עם	
1132	T CAS	00 20 31.209	+55 30 56-21		+0.0057 -0.003		4					SE	4	4374	V	1
1133	AA CAS	01 16 18.635	+56 04 00-68		+0.0008 +0.008	8.2	6		1			M7E	4	21343	V	1
1134	AO CAS	00 15 03.347	+51 09 19.80		-0.0007 +0.001	5.90	2	5.93	2	4.92	2	M2 09III	6	22182	V.	1
1135	AR CAS	23 27 42.774	+58 16 23.29		+0.0024 +0.010	4.94	2		2		2	B3V		21273	DV:	ı
1136	BM CAS	00 51 40.707	+63 48 50.47		-0.0025 +0.015		6	7.02	-	4410	۳.	53V		35478 11461	V	Į.
1137	CC CAS	03 10 07.408	+59 22 38.48		+0.0001 +0.004		4		П			85	4	23886	v	ļ
1138	DL CAS	00 27 10.374	+59 56 09.16		-0.0008 +0.011	8.6	6	9.640	171			G5	6	21446	v	ı
1139	DO CAS	02 37 34.524	+60 20 22.97		+0.0025 -0.007	8.6	6				. '	A2			v	L
1140	FM CAS	00 11 48.761	+55 58 30.44		-0.0008 +0.004	8.9	6	9.750	17			Ĝ	6	12388 21233	V	
1141	HS CAS	01 05 07.806	+63 19 11.35		+0.0004 -0.021	8.9	6	• • • •				~	0	11591	V	1
1142	IM CAS	01 28 37.780	+62 04 19.60		-0.0042 +0.016	7.8	6						1	11802	V.	l
1143	PV CAS	23 07 53.426	+58 55 49.26		-0.0000 +0.011	9.4	6	Age No.				B8	6	35189	v	Ĺ
1144	32 RU CAS	01 08 24.582	+64 45 12.98	١	+0.0039 -0.010	5.49		5.390	l l		.:	B8	١	11617	V	ľ
1145	RX CAS	03 03 15.350	+67 23 07.56	١	-0.0018 -0.000	8.8	6				5	-7		12609	v	1
1146	RZ CAS	02 44 22.774	+69 25 32.93		+0.0005 +0.037	6.3]		- 1	A2	- 1	12445	v	l
1147	SU CAS	02 47 28.879	+68 40 59.22		+0.0009 -0.007	6.0		6.620	7	1		F51-11		12472	v	1
1148	SV CAS	23 36 35.977	+51 59 07.63	j	+0.0003 -0.001	6.7	4			- 1	. 1	M5	4	35640	v	1
1149	SX CAS	00 08 04.443	+54 36 48.35		+0.0012 +0.004	8.9	6				· 1	A7	6	21169	v	
1150	TU CAS	00 23 36.678	+51 n0 13.47		-0.0005 +0.001	8.3	6	8.600	I - I			F2	- 1	21398	v	ı

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATIO	N	RT.	ASCEN. SEC	DECLINATION DEG MN SE		RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N		U N	SPECTRAL CLASS	S N	SAO CAT-NO-	STAR PROP.	\downarrow
1151	TV	CAS	00 16	36.002	+58 51 42.	03	+0.0027	+0.008	7.7	6					B9	6	21296	ν	I
1152	TW	CAS	00 41	44.362	+65 30 59	47	+0.0034	+0.019	8 • 2	6			1.54	1	B8	6	12431	V	Ī
1153	TX	CAS	02 4	14.88	+62 34 39	72	-0.0038		9.0	6	4						12477	٧	I
1154	ΤŻ	CAS	23 50	26.80	+60 43 27	64	-0.0034		9.0	6				4			20912	V	ı
1155	ν̈́Ϋ́	CAS			+62 38 57		-0.0116	+0+014	9.1	6			100		MB	6	11434	V .	ı
1156	WZ	CAS	23 5	41.89	+60 04 37	42	-0.0005	+0.002	6.9	4		l i			NA	4	21002	V	١
1157	ΧŽ	CAS			+60 54 55		-0.0011	+0.040	9.0	6							11727	V	1
1158	YY	CAS			+65 33 10		-0.0025		8.7	6							12631		
1159	21 YZ	CAS	00 4	2 18.42	+74 42 54	68	-0.0043		5.57						A2-A3		4216	DV V	1
1160	V 365	CAS	00 5	7 53.52	7 +56 20 36	93	+0.0009		8.9	6		1 1			M5	6	21917	ľ	1
1161	V 368	CAS	03 0	8 36.85	+59 43 55	83		+0.003	8.5	6		ا ـ ا			B8	6	35899	١v	1
1162	V 373	CAS	23 5	3 02.61	2 +57 08 02	01		+0.002	6.00	2	6.22	2	5.50	2	80.511		11197	v	١
1163	V 379	CAS	00 2	3 49.12	3 +60 31 17	58		+0.008	8 • 8	6					F8 K5	6	12043	ľ	١
1164	V 391	CAS	01 5	2 29.59	+69 57 34	28		+0.006	8.0	6		1				6	4557	v	ı
1165	V 393	CAS	01 5	8 27.10	++71 03 26	10		+0.031	7•6	6	100		100		MA	6	35242	l v	ı
1166	V 396	CAS	23 1	1 23.07	+56 27 56	72		-0.001	9.2	6					A0	6	35610	Ιv̈́	ı
1167	V 403	CAS	23 3	5 13.91	1 +54 34 13	43		+0.011	9.0	6		۱_ ا			65	6	35532	v	
1168	V 436	CAS	23 3	0 26.80	4 +57 37 45	85		-0.001	7.6	6	7.880	'	*		AO	6	11284	ľ	
1169	V 446	CAS	00 3	3 19.32	6 +62 24 41	17		-0.010	8.5	6		1		1	MA		21786	۱v	
1170	V 451	CAS	00 4	9 21.25	0 +59 27 14	92		+0.004	8.3	6		1			M2	6	22165	١v	
1171	V 465	CAS	01 1	5 05.60	8 +57 32 25	30		+0.012	6.8	4					M5	7	12383	DV	
1172	V 482	CAS	02 3	6 53.74	B +61 04 06	36		+0.028	7 • 8	6		1			09.5111		21646	ľv.	
1173	V 486	CAS	00 3	9 48 82	9 +52 03 47	54		-0.010	6.93	4		١			B3 G0IAB	6	11581	l v	
1174	V 487	CAS	01 0	3 47.89	5 +63 30 22	84		+0.016	8.4	6	9,93	7		٦	GOIAP	i '	35039	Ιŭ	
1175	V 509	CAS			7 +56 40 37			+0.011	5.13	2		2		2	KOII-III		21609	DV	
1176	18 ALP	CAS			3 +56 15 48			-0.027	2.230		3.400		4.520		F2IV		21133	DV	
1177	11 BET	CAS			5 +58 52 26			-0.177	2.270		2.610		1.180	1	BOIV?E	ŀ	11482	DV	
1178	27 GAM	CAS			4 +60 26 47			-0.000	2.390		2.290		2.940	1	ASV		22268	v	
1179	37 DEL	CAS			8 +59 58 34			-0.045	2.680		3.230		2.610		B3IV?P		12031	V2	
1180	45 EPS	CAS			8 +63 25 29			-0.015	3.380		3.470		2.580		B2V		21566	V?	
1181	17 ZET	CAS			3 +53 37 19			-0.005	3.660		4.020		4.040		GOV	1	21732	0	
1182	24 ETA	CAS	00 4	6 03.64	5 +57 33 03	15		-0.521	3.440			2	4.64	2	A7V		22070	V?	
1183	33 THE	CAS	01 0	8 02.55	4 +54 53 04	. 32		-0.017	4.34	2	4.66	2	4.72	2	ÂP	l	12298	DV	
1184	IOT	CAS			6 +67 10 45			+0.016	4 • 53	2		2	3.50	2	BITA		11256	V?	
1185	15 KAP	CAS	00 3	0 08.34	1 +62 39 22	13		+0.003	4.16	2		2	4.27	2	B8		21489	D	
1186	14 LAM	CAS			2 +54 14 47			-0.005	4.73 5.18	2		2		2	G5VP		22024		
1187	30 MU	CAS	01 0	4 55.68	6 +54 40 32	90		-1.575	5.00	٦	4.890		1 3.30	1-	В9	1	21729	V?	
1188	25 NU	CAS	00 4	5 59.27	0 +50 41 45	• 4 /		-0.001	4.81	2		2	4.05	2	B2V	1	21637	V?	
1189	19 XI	CAS			0 +50 14 19			-0.003	4.50	2		2	3.91	2	B2V		36620	D	
1190	22 OMI	CAS			4 +48 00 40			-0.029	4.99	1-		1	1	1	A5		36602	V?	
1191	20 PI	CAS	00 4	10 41+44	2 +46 45 05	50		+0.005	4.59	2	5.85	2	7.00	2	FBIAP	1	35879	V	
1192	7 RHO	CA5	23	1 32.44	2 +57 13 16 7 +55 28 35	.00		+0.001	4 . 88	2		2	3.99	2	B1V	1	35947	D	
1193	8 SIG	CAS	23	10 21 00	4 +58 22 24	18		+0.059	4.94	1		47		1	KIIII		35763		
1194	5 TAU	CAS	23	01.01	2 +58 42 09	.02		-0.038	4 - 84	2	6.06	2	7.32	2	K2II	1	21832	D	
1195	26 UPS- 1	CAS			0 +58 54 41			-0.041	4.64	2		2		12	G8III-IV		21855		
1196	28 UPS- 2	CAS			1 +57 58 10			+0.003	4.99	2		2	6.16	2	FOIA		22191	D .	
1197	34 PHI	CAS	01 1		3 +58 58 34			-0.016	4.72	2		2	6.48	2	GSIII		22397		
1198	39 CHI	CAS			4 +67 52 11			+0.032	4.74	2		2	6.71	2	KOIII		11751	ס	
1199	36 PSI	CAS		2 04.89				-0.008	4.99	1 -	4,900		1	1	B8	1 .	12038	1 V?	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	۷ ۲	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C-T-MO.	STAR PROP.	
1201	1 CEN	13 42 50.314	-32 47 29.86	-0.0365	-0.150	4.23	2	4.61	2	4.61	2	F2III		214812		Τ
1202	and the second of the second o	The state of the s	-53 59 15 82		+0.015	4.620		4.545		4.345		B9V	100	239189		1
	A CEN		-39 17 04 67		-0.036	4.420		4.240		3.500		B3V		205497	l v	L
1203	-A CEN		-44 53 42.92		-0.018		2		2		2	K4111		223062	•	1
1204 1205	B CEN		-37 34 48.53		-0.036	4.000		3.830		3.140		B3V	ı	205839		1
			-47 05 44.65		-0.007		2	7.37	2	3.240	-	M3III	ļ	222887	VQ	1
1206			-47 21 51 21		-0.054		2		2	5.62	2	F2	1	222895		1
1207 1208			-47 28 13.95		+0.024		2		2	3,02	-	GK2	1	222917	l	1
			-34 57 34 58		-0.187		2		2	6.93	2	KSIII		205871	1	1
1209			-34 58 52 58		-0.008		2		2		2	AI	1	205899		1
1210	V - V		-45 26 45·27		+0.003	5.31	2	6.74	2		2	GMO		223297	n .	1
1211	D CEN				-0.019	3.880		5.040		6.080		GBIII		204545	D D	
1212	-D CEN		-39 08 59-17		-0.020	5.34	2	5.34	2		2	AIV		223235	1 "	Į.
1213	E CEN		-48 24 51 00				2	5.70	2		2	GK2		223731	1	
1214	-E CEN		-48 40 17.35		-0.023		2	6.59			2	GM3	1	239838	D	
1215	F CEN		-54 51 54-91		-0.021	5.00 4.710		4.570		4.000		B5V	1	223900	ä	ľ
1216	-F CEN		-48 11 44.73							4.070		84IV	1	239948	Б	1
1217	G CEN		-51 10 25.51		-0.020	4.820 +.19		4.680 5.69		7.15		GM6		204875	1 "	1
1218	2 -G CEN		-34 12 06.71		-0.061	5.29	-	3.03	~ ,	74.15	٢	B8V	1	240407	ļ	
1219	H CEN		-50 55 41 60		-0.003	9.132	١.,	8.992	١.	8,432	١.	DOV	1	204943	פ	ı
1220	-H- 1 CEN		-31 41 07.91		-0.016	4.749		4.609		4.049		85111	1	204944	ا م	ı
1221	4 -H- 2 CEN		-31 40 53.46			6.51	1	4.002	1.	40042	*	BAVN		252283	DV?	ı
1222	J- 1 CEN		-60 42 38 52		-0.018	4.525	١.	4.395	١,	3.805	١.	B5V		252284	D	
1223	J- 5 CEN		-60 43 36 67		-0.017	4.310		4.160		3.540		BIVNE	1 .	251602	1	1
1224	-J CEN		-63 30 37-47		-0.002	5.06		5.13		3,340	l*	A2		240883	ł	1
1225	K CEN		-50 54 24 80		-0.021	4.573		4.443		3.843	١,	85111P	ł	204916	ם	
1226	3 -K- 1 CEN		-32 44 49.54			6.026		5.896		5.296		BBV	1	204917	Б	1
1227	2 -K- 5 CEN		-32 44 51.73		-0.031						2	A P	1	203681	1 "	
1228	+L CEN		-39 42 44.92		-0.035	4.64			2			GG9	1	241157	DV2	1
1229	M CEN		-51 10 57.82		-0.036		2	5.61 5.38	2		2	G5111-1V		252293		1
1230	-M CEN		-64 16 29.16		-0.032		2	3.30	۱۴	5.85	۲		١.,	241238	D	1
1231	N- 1 CEN		-52 33 45 85		-0.030	7.72	4				1	A3	4	241239	1 6	
1232	N- 2 CEN		-52 33 52.32		-0.038	5.68	اہا	4.48	١.,		٦	B9VN A7III	1	203907	, , , , , , , , , , , , , , , , , , ,	1
1233	-N CEN		-39 54 26 - 31		-0.027		2		2	4.60	2	AOIV	1	203863		1
1234	-P CEN		-33 43 37.32		-0.023		2	4.87	-			MOTA	1	241075	ם	ŀ
1235	0- 1 CEN		-54 18 31 - 32		-0.055	7.10	"	1.5				201	1	241076	Ď	ı
1236	0- 2 CEN		-54 18 25 50		-0.050	5.65						B8V		241580	Ďν	1
1237	R CEN		-59 40 55.23		-0.022	5.3			•		1	M4	1	204312	, UV	1
1238	-R CEN		-31 14 31 61		-0.055	5.36	-					Killi	5		v ·	
1239	S CEN		-49 09 46 52		+0.004	8.1	5	100	1			R5) ³	223414	ľv	1
1240	T CEN		-33 20 41.93		+0.022	5.6	l			100		GMOE	1	204739	ı v	1
1241	-U CEN		-38 45 52.42		-0.023	5.60	1 :	٠	ı		l	B8			v	1
1242	V CEN		-56 40 02.43		-0.015	6.40	اما	7.300			1	F5	1	241777	V	1
1243	-V CEN		-56 09 26.52		-0.018	4 • 33	2	4.45	2			8511				1
1244	-W CEN		-48 32 19.34		-0.035	4.66	2	5.76	2	6.77	2	GK1	L	223614 182618	l v	1
1245	Y CEN		-29 52 34.48		-0.028	7.7	4		1		1	MC	1 "		o	
1246	-Y CEN		-35 25 05 26		-0.023	5 • 64	l .				1	DF6	1	204955		1
1247	-Z CEN		-36 00 08•70		-0.023	5.15	2	5.13	2		1	AO	1 .	204835	0	1
1248	BF CEN		-61 11 24.29		+0.016	8 • 5	7		1		1.	B8	6	251477	y	1
1249	LW CEN		-63 04 14.27		+0.015	9.3	7		1		1 :	B1.5V	7	251495	. Y	1
1250	LZ CEN	11 48 84.320	-60 30 56 20	-0.0015	-0.015	8.0	7		1		Ì	B5	6	251606	V	1

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V	BLUE MAG.	B N	MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	1
		11 25 46.872	-61 08 08.31	-0.0008	+0.003	8.6	7			. 7		B8	6	251415	v	7
1251	MN CEN	11 23 40.072	-57 37 22.09	-0.0083		7.2	4					F2	4	241587	٧	1
1252	RR CEN	14 15 24 857	-36 36 50 02		-0.049	8.1	7		ll		ll		1	204857	V	ı
1253	RT CEN		-45 08 53 09		-0.012	9.2	7			_	i I	GO	6	223245	V	1
1254	RU CEN	12 06 47.574	-49 27 23·38		-0.008	10.0	7				1 1	A0	6	223337	V	1
1255	SW CEN	12 15 00:007	49 56 01 03		+0.012	9.6	7		ı			F5	.6	223370	V	1
1256	SX CEN	12 18 32.228	-48 56 01.93		-0.049	8.3	7				H	A2	6	241215	. V	
1257	SZ CEN	12 4/ 11 (21	-58 15 05.22		-0.008	10.6	7		ı		1	MD	6	205701	V	1
1258	TU CEN		-31 28 30 48		+0.008	7.1	4			1.15	1	K5P	ü	224021	٧	1
1259	UY CEN	13 13 37.025	-44 26 26 26			8 87	7	9.480	7		1 1	G5	6	251537	V	1
1260	UZ CEN		-62 24 54.23		+0.002	8.5	-	3.400	l ' l			80	6	251619	V	
1261	VZ CEN	11 49 59.812	-61 14 45 11	+0.0019			4	7.330	7		1	65	ŭ	241049	V	
1262	XX CEN	13 37 01.128	-57 21 37.54		-0.025	7.8	7	7.350	1'			MC	6	203430	V	1
1263	XZ CEN	12 21 33.478	-35 21 23 45		-0.035		6		1			KO	6	223741	l v	
1264	YZ CEN	12 51 22.423	-43 36 39 45		-0.014	8.0	7		1		ŀ	MB	6	239789	l v	
1265	V 369 CEN	12 12 20.410	-54 32 32.35		-0.027	9.1	6		l			AO	6	223785	l v	1
1266	V 377 CEN		-47 47 23.97		-0.002	9.0			1	1		89	6	240822	l v	1
1267	V 379 CEN		-59 31 16.73		-0.017	8.8	7				1	B8	1 6	252311	ľ v	1
1268	V 360 CEN	13 24 04.276	-61 36 52.53		+0.006	9.7		0 -00	14		1	G5P	1 6	241219	Ιv	1
1269	V 381 CEN	13 47 22.494	-57 19 58 44		+0.006	7 • 88	7	8.500	1			MB	1 6	252241	v	
1270	V 396 CEN	13 14 11.453	-61 19 13.93		-0.014	10.0	17		Ì			AO	6	252319	ľ v	
1271	V 402 CEN		-63 19 30 17		-0.034	9.8	7		1			MB	6	241324	l v .	1
1272	V 412 CEN		-57 28 02.46		-0.005	8.5	7					AO	6	241417	l v	
1273	V 413 CEN		-58 39 10 47		-0.007	10.1	7	1 1 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1	K5	1 6	252712	ľ	į
1274	V 418 CEN	14 17 26.160	-64 00 46.81		-0.001	8.7	7		١.,		1		6	239133	l v	
1275	V 419 CEN	11 28 34 171	-56 37 22.09		+0.013	8 • 65	7	9.340	1′			K0	1 .	202194	۱ů	1
1276	V 434 CEN	11 09 40 276	-35 53 28.90		-0.044	8.9	6		1		1	K5	6	203655	ľ	1
1277	V 449 CEN	12 35 38.462	-35 29 59.40		2 +0.007	11.0	17				1.	G8	6	205930	l v	1.
1278	V 553 CEN	14 43 32.248	3 -31 57 41.97		-0.019	8.7	17		1	1		KO	6	240459	ľ	
1279	V 602 CEN	12 56 58.190	-58 14 43.49		-0.005	10.	7				1	B8	6	204103	ľů	1
1280	V 603 CEN	13 02 03.694	-35 19 22.41		0.014	11.	7		1			Ko	6	252281	v	1
1281	V 606 CEN	13 18 22.400	-60 15 32.93		+0.010	9.7	6		1		1	В		224812	ľů	1
1282	V 636 CEN	14 13 40.211	-49 42 49.03		0.043	8.8	6					GO	6	251552	ľv	
1283	V 644 CEN	11 40 42.230	-60 27 23.96		+0.024	9.5	7		1		1	B3	6	239223	ľv	1
1284	V 646 CEN	11 34 34.432	-52 55 59 21		-0.009	8.8	6		1		1	B9	1 -	252342	ľ	1
1285	V 659 CEN	13 28 12.630	-61 19 29 68		5 +0 • 004	6.6	6				1	F8	6	239043	ľv	ŀ
1286	V 685 CEN	11 22 09.703	3 - 57 27 10•70		+0.005	8.7	6					AO	6	240918	ľ	
1287	V 701 CEN		-51 30 52-19		-0.034	8.7	6		_		1	AO	6	241552	ľ	1
1288	V 716 CEN		-54 23 31.02	-0.0018	-0.018	6.11	2	6.16	2		1	B9	1 %		v	-
1289	V 737 CEN		-61 47 37.97	+0.0010	-0.009	7.0	6		1			G5	6	252822	ν̈́ν	1
1290	V 742 CEN	11 25 02 654	1-41 14 19.85		-0.015	9.0	6		1	1	1.	B9	6	222805	ľ	1
1291	V 743 CEN	13 25 17.716	-51 01 58.53	+0.0006	-0.055	8.7	6		1	1		A5	6	240869	ľ	-
1292	V 744 CEN	13 36 53.546	1-49 41 49.67		+0.008	5.62		[1		1	GM7		224317	ľ	-
1293	V 752 CEN	1 11 40 18.375	5 -35 32 17.06		5 -0.014	9.11	5		1			GO	6	202729	V	-
1294	V 757 CEN	13 48 59.555	-36 22 33.14		3 -0.072	8+5	6					65	6	204919	ľ	
1295	V 758 CEN		7 -55 17 40.36	+0.0004	+ -0.003	9.5	6	1				B9	6	241248	ľ	١
1296	V 759 CEN	1	-47 31 59.90	-0.006	7 -0.016	7.73	4			1	1	F8	6	224743	V	
1297	V 761 CEN			1	1	1	1		1		1					
	V 763 CEN			4	1						1_	1 ' '		1	1	
1298	V 764 CEN		7 -33 13 26.73	-0.000	5 -0.014	9.1	6	10.28	7	11.37	7	K5	6	204640	V	-
1299 1300	V 765 CEN	13 36 44 10	0 -39 29 40.06		9 -0.029	6.36	1	8.02	17		1.	M4	-1	204708	٧	- 1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V Z		B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAN CAT.NO.	STAR PROP.	1
1301	V 766 CEN	13 43 40.199	-62 20 25.12	-0.0023	-0.016	6.41	2	8.25	2			G8IA+P	7	252448	DV	Γ
1302	V 767 CEN		-46 52 56 54	-0.0037		5.94			7			BAILLE	7	224514	ĐV.	
1303	V 768 CEN	14 45 31 360	-36 25 35.19	-0.0012		6.12			7	8.90	7	GM3	7	205966	V	l
1304	ALP CEN	14 36 11.253	-60 37 48 84 C	-0.4904		- 280	1	0.440		0.770	1	G2V+DK1	l '	252838	D	1
1305	BET CEN		-60 07 58.09	-0.0027		•620		0.380		-0.620		BIII		252582	n	1
	GAM CEN		-48 41 07.32	-0.0192		2.170		2.160		2.150		AOIII		223603	D	1
1306	DEL CEN	12 05 45.446		-0.0034		2.65		2.560		1.750		B2IVNE		239689	DV	1
1307			-53 12 46.33	-0.0025		2.300		2.080		1.160		BIV		241047	D	Ĺ
1308	EPS CEN ZET CEN		-47 02 34 86	-0.0056		2.550		2.330		1.420		BZIV	1	224538		ı
1309			-41 56 21 77	-0.0032		2.310		2.120		1.300		B1.5V?NE	l	225044	יאני.	1
1310	ETA CEN		-36 07 29.64	-0.0429		2.060		3.050		3.950		KOIII-IV	l	205188		1
1311	5 THE CEN		-36 26 56 86	-0.0282		2.730		2.760		2.770		A2V		204371		1
1312			-41 54 17.68		-0.027	3.130		2.930		2.150		B2V		225344	l n	ı
1313	KAP CEN			-0.0057		3.130		3.090		2.910		B911	l	251472	l n	Į
1514	LAM CEN		-62 44 34 60		-0.026	2.940		2.780		2.040		B2V2PNE	1	224471	עמ	1
1315	MU CEN		-42 13 31.64			3.410		3.190		2.340		B2IV	1	224469	٧?	ı
1316	NU CEN		-41 26 21 60		-0.025			4.870		4.850		AOV		223870		ı
1317	XI - 1 CEN		-49 15 31 85	-0.0061		4 • 850		4.080		3.320		B2V	l	223909	D	1
1318	XI - 5 CEN		-49 38 19 89	-0.0030		4.270						GOIA	ł	239145	Dν	1
1319	OMI- 1 CEN	11 29 26.836	-59 09 57.55	-0.0003		5.13	2	6.21	2	6.98	15		l	239146	J 0	ı
1320	OMI- 2 CEN		-59 14 22 23	-0.0023		5.14	2		2	5.52	۱۲.	A2IA	l	238986	D .	ı
1321	PI CEN		-54 13 00 • 27	-0.0035		3.890		3.735		3.145		B5VN	ı		ייון	١
1322	RHO CEN		-52 05 24.55	-0.0038		3.960		3.810		3.200		B4V	l	239737		ı
1323	SIG CEN		-49 57 14 • 18	-0.0029		3.910		3.720		2.950		B2V		223454		1
1324	TAU CEN	12 34 57.448		-0.0186		3.860		3.910		3,940		A2V		223560		ı
1325	UPS- 1 CEN		-44 33 37.41	-0.0024		3.870		3.670		2.870		B2V	100	224585	ł	ı
1326	UPS- 2 CEN		-45 21 43.76	+0.0001		4 • 34			2	5.22	2	F71-II		224621		ı
1327	PHI CEN		-41 51 26.57		-0.025	3.830		3.620		2.790		B2IV		224577	۸۶.	1
1328	CHI CEN	14 02 59.020			-0.024	4 • 360		4.170		3.400		B3V		224673	l _	١
1329	PSI CEN	14 17 30.393	-37 39 23.06	-0.0057	-0.016	4+05	2	4.02	<u>]</u> 2	3.91	2	AOIV	1	205453	ם	ı
1330	4 CEP	20 42 33.850	+66 28 31.53	+0.0037	+0.039	5.53	()		i ·		1	A5	1	19004	1	1
1331	6 CEP	21 18 20.062	+64 39 33.93		+0.007	5.14	1	5.120		1	1	B3VE	1	19313	1	1
1332	7 CEP	21 26 48.310	+66 35 26.39	-0.0028	-0.015	5.40	Į.				ŀ	B7		19432		1
1333	9 CEP	21 36 34 670	+61 51 21.32	-0.0005	+0.001	4 • 73	2	5.03	2	4.49	2	B2IB	1	19541	1	ı
1334	11 CEP	21 41 11.735	+71 04 51.73	+0.0238	+0.405	4 • 57	2	5.67	2	6.76	2	KOIII	1	10126		1
1335	12 CEP	21 45 56.671	+60 27 36 67	-0.0014	+0.0u5	5.44	١.		Ì		i	GM1	1	19642		1
1336	13 CEP	21 53 12.082	+56 22 26.13	-0.0010	+0.001	5.80	2	6.52	2	6.50	2	BBIB	1	33864	V?	1
1337	15 CEP	22 02 15.929	+59 34 18 15	+0.0001	+0.004	6.74	4		l.		ŀ	B5	- 4	34016	D	1
1338	16 CEP	21 58 32.543	+72 56 30 37	-0.0162	-0.154	5.06		l	į.	į .	1	F5V		10216		1
1339	19 CEP		+62 02 10 44	+0.0001	+0.005	5.11	2	5.19	2	4.36	2	09.51B	l	19849	D	١
1340	20 CEP		+62 32 28 68	+0.0020	+0.063	5.22				1 1	1	K4III		19847		ı
1341	24 CEP		+72 05 41.00	+0.0067	+0.010	4.79	2	5.71	2	6.32	2	GSIII		10265		1
1342	25 CEP		+62 33 12-12		+0.020	5.78	1			1	1	KSIII	1	19991		Ì
1343	26 CEP	22 25 28-567	+64 52 37-17		+0.003	5.46	2	5.83	2	5.24	2	80.5IB	1	20075		. [
1344	28 CEP		+78 31 51 25		-0.037	5.77	1			1	Ì	A2	1	10375		ı
1345	30 CEP		+63 19 27.05		-0.020	5.15				ļ		A2	1	20190		ı
1346	31 CEP	22 34 31 QA2	+73 23 00 - 37		+0.030	5.18	1			İ	1	F4III	1	10425	· ·	1
			+79 24 31.20		+0.003	5.62	1	j	1	I	1	AO	100	4341	1	١
1347			+79 13 26.34		+0.012	5.46	1	1	1	1	1	MITTI?		4810	D	١
1348	47 CEP				-0.055	5.45	2	5.64	2	5.75	la	A4N]	4875	DV2	١
1349	48 CEP		+77 33 14.61			8.4	6	3.04	-	3.73	۱"	65	6	3170	v	ı
1350	R CEP	14 04 52.828	+88 56 21.52	TU - 3040	+0.115	6.4	ľ	1	1 .		1	33	1 "	1	1 -	١

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	> 2	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	. S . N	SAC C.T.NO.	STAR PROP.	G t
1351	S C _E P	21 35 52.650	+78 23 58.72	+0.0011	+0.007	7.0	4					NBE	4	10100	٧	
1352	T CEP		+68 17 11 85	-0.0063		5.2		100				GM7E		19229	V	1
1353	U CEP		+81 36 24.59	+0.0113	+0.002	6.8	4					AO	4	168	V	1
1354	V CEP		+82 54 46 25	+0.0258		6.42				12.5		A2	ł	3994	V	
1355	W CEP		+58 09 59 87	-0.0017		6.9	4					PEC	4	34614	V	1
1356	AD CEP		+82 19 08 88	-0.0002		9.5	6							P3	V	1
1357	AH CEP		+64 47 52 62	+0.0003		6.83	4					B3	4	20247	V	I
1358	AI CEP		+56 41 07.60	-0.0011		8.9	6	1			1	B0	6	33744	V .	
1359	AN CEP		+82 44 13.75	+0.0019		9.2	6							3687	V	
1360	AR CEP		+84 46 48.96	+0.0216		7.60	4					MB	4	3809	V	ĺ
1361	CQ CEP		+56 38 45.76	+0.0001		8.6	6		۱.,			W5	6	34622	V V	ł
1362	CR CEP	22 44 26.990	+59 10 43.23	-0.0020		9.0	6 5	10.340				G0 B5	6	34795 20401	ľ	
1363	CW CEP		+63 07 37.43	-0.0001		7.7		8.110	1				5		ľ	1.
1364	DH CEP		+57 49 13.41	+0.0006		8.6 7.5	6				1	B2 MB	6	34810 10258	ľ	1
1365	DM CEP		+72 31 23.96	+0.0023		7.31	4				1 .	FO	4	33026	ľ	1
1366 1367	DO CEP		+55 17 34+90 +76 39 10+56	+0.0023		9.2	6					A3	6	9710	ĺv	1
1368	EI CEP		+76 11 02.27	-0.0012		7.7	6			1		FO	6	10061	v	1
1369	EK CEP		+69 27 50.02	+0.0015		7.4	6		1			LAO	6	19585	v	
1370	EM CEP		+62 22 40.46	-0.0010		7.10	4					83	4	19718	οv	1
1371	FF CEP		+85 16 37-20	-0.0011		9.5	6			ŀ		M5	6	1316	v	1
1372	FZ CEP		+55 14 14.89	+0.0008		7.2	6				1	MB	6	33329	V	
1373	GK CEP		+70 36 07.01	+0.0015		6.9	6		1		1	AO	6	10069	.v	1
1374	GP CEP		+55 52 30 02	-0.0006		8.5	6				1	W5	6	34301	٧	1
1375	GO CEP		+75 23 47.32	+0.0114		8.2	6					AOP	6	10449	V	1
1376	GT CEP		+68 08 22-19	-0.0012		8.1	6		ļ .		1	88	6	20345	V.	1
1377	IR CEP		+60 46 46 43	-0.0017	-0.008	7.96	7	8.85	7			GO	6	19765	V	1
1378	KZ CEP		+62 36 04.68	-0.0001	+0.006	7.76	7	8.22	7	1.75		BOV	7	20332	V	1
1379	14 LZ CEP	22 00 23.523	+57 45 31.12	-0.0006	+0.004	5.56	2		2	4.77	2	08.5111+0	9 7	33990	V	1
1380	18 MO CEP	22 02 22.854	+62 52 34.06	+0.0042	+0.060	5.30		6.86	7	8.66	7	GM5		19828	V.	
1381	MX CEP		+58 32 25 27	+0.0048		7.9	6	7.92	17		l	A2P	7	34915	V	ł
1382	RU CEP		+84 52 10.07	+0.0082		9.0	6		i i					220	V .	
1383	RW CEP		+55 42 36.29	-0.0009		6.8	4	- Far - 12	1.			MA	4	34387	V	
1384	RX CEP		+81 41 42.37	-0.0018		7.6	6		_			G5	6	130	l y	1
1385	RZ CEP		+64 35 42.60		+0.212	9.3	6	9.720	7	i		l		20193	V	
1386	SS CEP		+80 10 05.66		+0.019	6.7	4		1			MB	4	594 34529	V	
1387	ST CEP		+56 44 38-89	+0.0002		8.1	6					MOIB	7	1	ľ	
1388	SW CEP		+62 21 24.91	-0.0020		8.0	6	e - E			١,	MC	6	19401	ľ	
1389	VV CEP		+63 23 13.52		+0.006		2	6.65	2	7,03	2	M2IAEP		19753 9828	ľ	
1390	VW CEP		+75 24 58 37		+0.560	7.1	4	44	1	14	l	G5	4	20124	l v .	1
1391	WX CEP		+63 15 54 73	+0.0032		9.0	6					A0	6	20743	v	1
1392	XX CEP		+64 03 26.73 +66 53 33.88		+0.018	8.6	6		1		1	1 ^	1 0	20143	ľ	
1393	XZ CEP 5 ALP CEP		+62 22 23.74		+0.052	2.450		2.670	١,	2.780	1.	A7IV-V	1	19302	٥	1
1394 1395			+70 20 27.85		+0.013	3.230		3.010		2.050		BZIII		10057	DV	
1395	8 BET CEP 35 GAM CEP		+77 21 11.73		+0.156	3.210		4.240		5.190		KIIV		10818	V?	1
			+58 09 31.76		+0.005	3.570		4.030		4.380		F5I8		34508	DV	1.
1397			+56 47 37.39		+0.051	4.19		4.47	5		2	FOIV		34227	v	
1398			+57 57 15.50		+0.008	3.350		4.900		6.620		KIIB		34137	V?	
1399	21 ZET CEP 3 ETA CEP		+61 38 38 85		+0.822	3.430		4.350		4.960		KOIV	1	19019	ם ו	
1400	S CIA CEP	CU 44 10.400	TOT 30 30.03	LABOTEO	701022	37730	l	7.550	1 *	7.,00	1.		1	1	1	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

			STAR DESIGNATIO	NS AND ST	AR DATA	UKUEREL	, R	i DEST	JAN	TONS						1
NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	VN	BLUE MAG.	B	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	1
HOMDER			<u> </u>			" 00	╗	4.42	2	4.58	2	A M		18897		П
1401	2 THE CEP		+62 49 32.32	+0.0060		4.22	2					KITIT	٠.	20268		l
1402	32 10T CEP	22 47 53.604	+65 56 13.80	-0.0109		3.530		4.580		5.480		BOIII		9665	ŋ	1
1403	1 KAP CEP	20 10 36.574	+77 33 42 35	+0.0030		4.39	2	4.34	2		2	06F		34149	,	1
1404	22 LAM CEP		+59 10 02 • 66	+0.0001		5.05	2	5.29	2		2			33693	עת	ļ
1405	MU CEP		1 +58 33 00.64	-0.0000		4.17	2	6.43	2	8.88	2	MZIA	1	19624	/'V?	
1406	10 NU CEP	21 44 00.269	+60 53 22.50	-0.0005		4.29	2	4.81	2	4.94	2	A2IA G	u	19826	ກ້	1
1407	17 X1 - 1 CEP	22 02 19.143	+64 23 03.30	+0.0286		6.47	4			. 70	اما	AM	4	19827	n	
1408	17 XI - 2 CEP	22 02 20.440	+64 23 01.68	+0.0320		4.29	2	4,63	2	4.72	2		1	20554	DV2	
1409	34 OMI CEP	23 16 33.630	+67 50 16 11	+0.0102		4 • 76	2	5.60	2	6.09	2	KOIII			D	
1410	33 PI CEP	23 06 18.00	7 +75 07 01.55	+0.0031		4.42	2	5.24	2	5,69	2	GZIII		10629	U	l.
1411	29 RHO CEP		+78 34 03.35	+0.0000	-0.016	5.52						A2		10402		
1412	1 CET	23 55 46.916	-16 07 32.92	+0.0055		6.26	2	7.34	2	8.37	2	GG8		165972	1	
1413	2 CET	00 01 10.76	1 -17 36 51.40	+0.0017		4+56	2	4.52	2	4.40	2	BOTV	1	147059	V? -	1
1414	3 CĒT	00 01 56.53	3 -10 47 15.98	-0.0006	-0.007	5•16			_			K3IB	[147066	V.5	1
1415	4 CET		-02 49 37.30	+0.0016		6.43	2	6.29	2		2	AON	1	128595		İ
1416	5 CET	00 05 38.40	7 -02 43 33.57	+0.0004	-0+004	6.05	2	7.43	2	8.59	2	GK2	11	128602	1	1
1417	9 CET	00 20 18.03	5 -12 29 14.89	+0.0266	+0.065	6.39	2	7.05	2	2.7		DG2		147237		1
1418	10 CET	00 24 03.43	L -00 19 34.65	+0.0047	+0.004	6.19	2	7.10	2	7.65	2	GG4		128760		1
1419	11 CET	nn 27 21.26	7 -01 23 34.33	+0.0102	-0.073	7.52	4		l i			F0	4	128789		1
1420	12 CET		0 -04 14 00 - 17	+0.0005	-0.007	5.72		7.28	2	9.18	2	MOIII		128791	D	1
1421	13 CET		1 -03 52 04 29	+0.0274	-0.021	5.20	2	5.76	2	5.84	2	FaV	1	128839	DV?	1
1422	14 CET		2 -00 46 48.17	+0.0089	-0.058	5.93	2	6.37	2	6.35	2	DF2		128843	_	
1423	15 CET		6 -00 46 41.55	-0.0032	-0.005	6.92	4				1	K0	4	128868	ט	1
1424	18 CET		7 -13 09 04.22	-0.0026	-0.198	6-11	1 1				100	DF8	1	147432		1
1425	20 CET		8 -01 24 55.53	+0.0004	-0.013	4.78	2	6.35	2	8.27	2	MOIII	i .	129009		1
1426	21 CET	nn 51 46.15	2 -09 00 39.81	+0.0009	-0.048	6.16	2	7.08	2	7.62		5663		129019		1
1427	25 CET		2 -05 06 12.94	-0.0075	-0.102	5.44	2	6.55	2	7.59	2	KOIII-IV	1	129094	1 _	1
1428	26 CET		3 +01 05 57.35	+0.0078	-0.037	6.04	2	6.31	2	6.44	2	DF0	1:	109643	ח	
1429	27 CET		1 -10 14 46 80	-0.0026	-0.030	6.12	2	7.13	2	7.98	2	KOIII		147601	1 .	1
1430	28 CET		8 -10 06 24.47	+0.0017	+0.007	5.58	2	5.59	2		1	A0	1	147606	1	1
1431	29 CET	1	5 +01 43 56 • 14	+0.0089	-0.421	6.69	4					G5	1 4	109694		
1432	30 CET		6 -10 03 09.23	+0.0100	+0.021	5.87		1.0				DF3	1	147622		1
1433	32 CET		5 -09 10 17.16	-0.0012	-0.033	6.40	2	7.44	2	8.31	2	GG6	1	129154		-
1434	33 CET		6 +02 10 48.30		-0.010	5.95	2	7.46	2	9.33] 2	GK4	1	109715	V?	1
1435	34 CET	1	8 -02 30 58.25		-0.021	5.95	2	7.35	2	9.01	2	K4III		129169		
1436	35 CET		5 +02 12 28 45		-0-103	6.82	4				1	F8	4	109727		Ì
1437			9 -07 02 53.29		-0.012	6.93	4		1		1	G5	4	129177	1 2 2	
	36 CET 37 CET		6 -08 11 27.96		+0.277	5.13	2	5.59	2	5,54	2	DF2		129193	DA3	
1438	38 CET		1 -01 14 26.93		+0.209	5.70	2	6.12	2	6.10	2	DF5		129196	1	
1439	39 CET		2 -02 45 46.70		-0.059	5.41	2	6.31	2	6.75	2	GG5		129204	1	Ì
1440		The second secon	3 -02 32 25.59		-0.131	6.83	4	1	1	l	1	F8	- 4	129210	1	1
1441	40 CET 41 CET		7 -07 55 22.59		+0.022	6.93	4		1		1	A2	4		1 _	1
1442			2 -00 46 15.23		-0.009	5 . 87	2	6.51	2	6.83	2	GBIII?		129235	D	ı
1443			6 -00 42 38.06		-0.009	6.49	2		2		2	GKO		129262	٧?	1
1444	43 CET 44 CET		1 -08 16 01.12		-0.066	6.21	2		2	6.53	2	A5		129275		1
1445			2 -14 51 30.18		-0.015	4.90	2		2		1	K3III	1	147803	-	1
1446	46 CET		5 -13 18 57.29		+0.010	5.68			1		1	F1V	1	147812	_V?	1
	#/ CE1						2	5.15	2	1		A1V		167086	ם	ł
							1	1	1		1	A2V	1			١
							1			1	1	K2III		147901		1
1447 1448 1449 1450	47 CET 48 CET 49 CET 50 CET	01 27 12.20	5 -13 18 57.29 9 -21 53 14.62 9 -15 55 54.75 14 -15 39 19.02	+0.0038	+0.010 +0.010 +0.006 +0.020	5.13 5.64 5.48	2	5.15	2			A1V A2V			167086 147886	167086 D 147886

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR Designation	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	N		B N		צט	SPECTRAL CLASS	5 N	SAO CAT.MO.	STAP PROP.	
1451	54 CET	01 48 12.521	+10 47 47.76	-0.0049	-0.022	5.94	2	6.24	2	6.22	2	FOV		92659	٧?	1
1452	56 CET		-22 46 12.86	+0.0043	-0.020	5.18						GK4	1	167416		1
1453	57 CET		-21 04 00.26	+0.0003	+0.023	5.41		7.040				GM1		167466	1_	1
1454	58 CET		-02 18 09-14	+0.0024			4				١.	AO.	4	129588	0	1
1455	60 CET	02 00 37.628	-00 06 42.26	+0.0049			2	5.58	2	5.70	2	A3M		129655	ן פ	1
1456	61 CET	02 01 14.429	-00 34 45-10	+0.0050		5.93	2	6.81	2	7.31	2	6511-111		129667	9.	1
1457	62 CET	02 06 37.162	-02 34 02.60	-0.0071		7.07	4		۱. ا		١,	F8	4	129722 129739		1
1458	63 CET	02 09 03.342	-02 03 34.63	-0.0007		5.93	2	6.90	2	7.60	2	GG9	1	110390	1	ı
1459	64 CET	02 08 42.468	+08 20 11.89	-0.0095		5.63	2		2	6.33	2	DF8 DF9		129752		1
1460	66 CET	02 10 14.099	-02 37 35•38	+0.0244			2	6.09	2		2			129798		
1461	67 CET	02 14 29.251	-06 39 05.98	+0.0059		5 • 51	2	6.47	2	7.22	2	GBIII		110495		1
1462	69 CET		+00 10 05.62		-0.003	5.27	2	6.92	2	8.77	2	GM2		129858	1	1
1463	70 CET	02 19 39.354	-01 06 42.00	-0.0018		5.42	2	5,73	2	5.83	2	A5		129888		ı
1464	71 CET	02 22 26.587	-03 00 19.47		-0.003		2	6.33	2	6.19	2	A0	1	129959		1
1465	75 CET 77 CET	02 29 36.563	-01 15 17.21		-0.033		2	6.37	2	7.21	2	GG3		129984		ŀ
1466	77 CET		-08 04 36.36	+0.0039			2	7.15	2	8.80	2	GK4	١,,	129992	1	ı
1467	79 CET		-03 46 20 13		-0.428	6.78	4	7 .2	١,	0.05	اءا	GO MOIII	"	130004		ı
1468	80 CET	02 33 32.231	-08 02 53 22		-0.057		2	7.12	2		2	GG5		130026		1
1469	81 CET	02 35 10.495	-03 36 41.63		-0.039		2	6.67	2		2	DF6		130055	l n	1
1470	B4 CET	02 38 40 075	-00 54 26 44	+0.0140		5.71	2	6.23				A2V		93067	V2	1
1471	85 CET		+10 31 46 85	-0.0018		6.30	2	6.36	2		2	B7III	Ι.	110921		ı
1472	93 CET		+04 09 24.69	+0.0007		5.62	2	5.52	2		2	F8V		130355	D	1
1473	94 CET		-01 22 54 84	+0.0129		5.06	2	5.63	2		2	KIIV		130408	Ď	١
1474	95 CET		-01 06 39.98		-0.048	5.37	2	6.66	2		2	GG8	1	111142] "	ĺ
1475	97 CET		+03 29 48.63		-0.022	5.69 4.89	2	5.38	2	1.42	٦	F6V		147133	1	1
1476	6 -F CET		-15 44 32.63		-0.264		4	3.30	-		Ŀ	M4E	1 11	129898	V	1
1477	R CET		-00 24 10.98		+0.011	7.0	4		1	1	1	M4E	1 7	128740	v	1
1478	S CET		-09 36 16 04		+0+036	7.3 5.2	1 *	1	1		1	M5-6SE	1	166210	v.	٠
1479	T CET		-20 20 06.19	+0.0049			4		1			M3E	l u	148467	ľ	į
1480	U CET		-13 22 02.50		-0.024	8.9	4	1			1	M3E	1	147001	l v	١
1481	V CET		-09 14 15.35		-0.061	7	7		1			S7=3	1 7	166005	ĺv	1
1482	W CET		1-14 57 15-21		-0.016	6.5	4					F2	6	167451	Ιον	-
1483	AA CET		-23 09 44 85		+0.058	7.31 5.83	2	5.97	2	6.06	2	A7P	Ιĕ	148386	ĎΫ	١
1484	AB CET	02 23 37.625	-15 33 54 37		-0.045	7.8	6		7	0.00	-	M5111	1 7	147130	v	١
1485	AC CET		+18 51 01.90		+0.008	5.12	2		2	8.55	2	MOIII	٦ ا	128655	DV	١
1486	AD CET		08 03 31.02			4.46	2		2	8.07	2	GM1	1	147169	l v	- [
1487	7 AE CET		-19 12 34.97		-0.063	7.54	4		7	0.07	1	M3	6	147289	v	ı
1488	AG CET		7 -11 56 06 60			8.8	6		7		1	M2	1 6	166429	l v	-1
1489	AH CET		7 -21 41 04 64		-0.016	8.8	6		17	1	1	M3	6	128907	ľ	-1
1490	AI CET		5 -09 55 19,20		-0.019	8.3	6		7		1	M3	6	147564	v	-1
1491	AK CET		-12 27 52 16		-0.001	8.6	6		17	1	1	M1	6	147633	v	-1
1492	AL CET		17 19 47-64		+0.001	7.67	4		17		1	MB	6	147656	v	
1493	AM CET	01 08 48.35	1 -13 46 08 08		+0.000	8.8	6		7		1	M4	1 7	129190	V	- {
1494	AN CET		3 -02 26 38 40		+0.032	8.9	6	10.48	7	1	1	M2	6	147744	V	
1495	AO CET		5 -10 00 33.87		-0.023	8.5	6		17		1	MC	6	129519	. V	-
1496	AQ CET		3 -05 06 25.13		-0.007	5.51	2		2	8.36	2	GM5		129624	٧	١
1497	AR CET		-08 45 54 46			8.0	6		7	1 0.00	1	M2	6	148319	ľ	
1498	AS CET	1	3 -14 21 50 22		+0.041	8.0	6		7		1	M5	6	167977	l v	Ì
1499	AT CET		2 -22 49 06 26		0.023	8.6	6				1	G5	6	129921	V	ļ
1500	RS CET	02 25 20.24	L -00 00 06.36	-0.000	-0.013	0.0	١٠	1	ł		1	1	1	1	1	- 1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	D= -= 2 · · · · · ·	P N	RA PM	DEC PM		V N		B N	UV MAG.	U N	SPECTRAL CLASS	S	SAO CAT.NO.	STAR PROP.	10
1501	RT CET	01 14 28.637	-24 06 27.09		-0.0001 +	0.013	9.4	6					M2	6	166924	V	
1502	TV CET	03 12 00.317	+02 34 09.84	1	+0.0009 +	0.015	8.4	6					FO	6	111068	V	1
1503	TZ CET		-10 25 45.81		+0.0011 -		8.7	6					M3	6	148361	. V	i
1504	UY CET		-06 52 52.36		-0.0015 -	0.027	9.1	6				1	MA	6	128767	V	
1505	UZ CET		-10 27 02.20		+0.0001 -		8.6	6					M2	. 6	148198	V	L
1506	VZ CET		-03 11 42.94		-0.0004 -		9.1	6					MO	6	129828	l v	1
1507	WY CET		-12 11 48.03		-0.0027 -		8.9	6			1.14		A2	7	147897	. V	1
1508	XY CET		+03 19 09.34		-0.0003 -		8.6	6					AO	7	110887	V	1
1509	XZ CET		-16 35 15.23		+0.0032 +		9.2	6					A	7	148149	l v	1
1510	92 ALP CET		+03 53 41.15		-0.0008 -		2.530		4.170	11	6.100	1	M2III		110920	1	
1511	16 BET CET		-18 15 38.78		+0.0163 +		2.020		3.030		3.910		KIIII		147420	٧?	
1512	86 GAM CET		+03 01 34.05		-0.0097 -		3.470		3.560		3.630		A2V		110707	.D	
1513	82 DEL CET		+00 06 50.00		+0.0006 +			2	3.85	2	2.97		B2IV		110665	V	
1514	83 EPS CET		-12 05 00.36		+0.0096 -		4.84	2	5.29		5.28	2	F5IV-V	1	148528	D	
1515	55 ZET CET		-10 34 52.90		+0.0024 -		3.720		4.860		5.920		K2II	1	148059	V?	
1516	31 ETA CET		-10 26 48.57		+0.0145 -		3.450		4.610		5.800		K3III	l .	147632		١.
1517	45 THE CET		-08 26 27 16		-0.0056 -		3.590		4.650		5.570		KOIII		129274	۱ ۵	
1518	B IOT CET		-09 06 03.44		-0.0013 -		3.550		4.770		5.940		KZIII		128694		1
1519	96 KAP CET		+03 11 17.27		+0.0178 +		4 . 84		5.52			2	G5V		111120	V?	1
1520	91 LAM CET		+08 42 33.54		+0.0002 -			2		2	4.13	2	85111		110889		1
1521	87 MU CET		+09 54 15.02		+0.0190 -			2		2	4,65	2	FOIV	١.	110723		1
1522	78 NU CET		+05 22 33.99		-0.0021 -		4.86	2		2	6.25	2	GSIII	j .	110635	l n	ı
1523	65 XI - 1 CET		+08 36 47.36		-0.0017			2		2		2	GBII		110408	1	
1524	73 XI - 2 CET		+08 14 13.15		+0.0025 -		4.29			2		2	89111		110543	1	1
1525	68 OMI CET		-03 12 13 39		-0.0008 -		3.040		4.460		5.550		GM6E	1	129825	י עם	1
1526	89 PI CET		-14 04 10 17		-0.0008 -		4.25		4.11	2		2	B7V	l	148575	-	1
1527	72 RHO CET		-12 30 54 30		-0.0012 -		4.89		4.87	2	4.82	2	B9V	1	148385	1	1
1528	76 SIG CET		-15 27 47.46		-0.0053 -			2		2	5.19	2	F5V	1	148445	į ·	-
1529	52 TAU CET		-16 12 00.50	1.	-0.1194 +		3.500		4.220		4.430	1	GBVP		147986	1	
1530	59 UPS CET		-21 19 09.71		+0.0094 -		4.010		5.570		7.460		MIIII		167471		
1531	17 PHI- 1 CET		-10 52 53.49		-0.0009			2		2	6.59	2	KOIII		147423	V2	ı
1532	19 PHI- 2 CET		-10 54 47.65		-0.0156 -			2	5.70	2	5.69	2	F8V		147470	1	1
1533	22 PHI- 3 CET		-11 32 13.09		-0.0017 -		5.31	2		2	0,07		K4III	l	147519		
1534	23 PHI- 4 CET		-11 38 58 40		-0.0026		5.79	-	0.00	-		-	GG7		147546		1
1535	53 CHI CET		-10 55 58 88		-0.0103 -		4.68	2	5.00	2	5.03	2	F2IV	l	148036	D	1
1536	S CHA		-77 18 35 60		-0.1021 -		7.0	-	0.00		••••	Γ.	F5	Ì	257060	DV	
1537	RS CHA		-78 53 15.10		-0.0093 +			2	6.28	2	6.36	2	A5	7	256549	V	1
			-81 46 25.97		-0.0056			6	J. Z.		0.00	-	F5	6	258590	v	1
1538 1539	RZ CHA ALP CHA		-76 45 44.05		+0.0328 +		4.070		4.460	1	4.440	1	F6IV	ľ	256496	1	1
1540	BET CHA		-79 02 04.83	l	-0.0152		4.245		4.130		3,620		B6V		256924		1
	GAM CHA		-78 20 53.72	ľ	-0.0130		4.110	ī	5.690		7,630		MOIII		256731		1
1541			-80 12 19.79		-0.0133		5.47		6.42	2	7.16	2	668	1	258592	D	ı
1542 1543	DEL- 1 CHA		-80 16 34.91		-0.0211		4.450		4.265		3.565		B3V		258593	1	1
			-77 56 36.07		-0.0161 -		4.910		4.750		4,690		B9VN		256894	l p	1
1544	EPS CHA		-80 43 01.90		-0.0168		5.11	2		2	4.40	2	BSIV		258538	1	
1545	ETA CHA		-78 46 57.76		-0.0078			2	5.37	2	5.02	2	B9IV	1	256543	1	
1546			-77 19 26.05	ŀ	-0.0391		4.35	2	5.51	2	6.70	2	KOIII-IV	i	256503	D	1
1547	THE CHA		-80 34 17.84		-0.0593			2	5.81	2		2	GF2		258530	"	1
1548	IOT CHA			1	-0.0211		5.04	2	6.53	2		2	GK3		256899	1	1
1549	KAP CHA		-76 14 28.66 -81 58 22.94		-0.0162		5.53	2	5.56	2		2	AO		258554		1
1550	MU CHA	1 TO 05 00 12T	DO CE - 34		1 0.0105	- U - U J E.		ı "-	1 3733	1-	1 2 4 2 7	1-	1 ***	1	1 -00	l .	-

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM		N		B N	MAG.	N	CLASS	N	CAT.NO.	PROP.	+
NUMBER				+0.0297	-0.051	5.45	2	6.34	2	6.91	2	Ко		256658	ļ	1
1551	NU CHA	09 46 21.206	-76 32 34 41	-0.0354			2		2	5.99	2	F2111		256857		1
1552	PI CHA	11 35 10.915	-75 37 10 26	-0.0029			6		i		1			252577	l v	
1553	AT CIR	13 59 46,603	-66 29 44.79	+0.0053	-0.019		6				i l			252908	. V	I
1554	AV CIR	14 46 09.329	-67 17 27.57	-0.0025	-0.014	5.78	~ I	6.440	7			G311B8?		252928	l v	
1555	AX CIR	14 48 29.863	-63 36 17.79	-0.0291		3.190	1	3.430		3,550	1	FOVP		252853	ם	1
1556	ALP CIR	14 38 26.380	-64 45 32.38	-0.0122			ē	4.16	2	4,25	2	VEA	1	242384	1 _	1
1557	BET CIR	15 13 34.881	-58 36 58 46	-0.0014		1	2		2	4.35	2	85+F8		242463	D	1
1558	GAM CIR	15 19 22.622	-59 08 33.15	-0.0017	-0.012	5.09	2		2	4.12	2	097	l	253084	ָח	1
1559	DEL CIR	15 12 52.996	-60 46 24.98			4.86	2		2	7.43	2	GKO	ļ	253088	1	1
1560	EPS CIR	15 13 24.052	-63 25 39.01	+0.0009	+0.006	6.09	2	6.03	2	5.43	2	B4V		252951		1
1561	ZET CIR	14 50 26.710	-65 47 16 84		-0.027	5.22	-	0,00	-			GG4	i.	253005	1.7	Į
1562	ETA CIR	15 00 35.917	-63 50 13.24		-0.001		1					B3VNE	1	252965	ם	1
1563	THE CIR	14 52 41.002	-62 34 45•96	-0.0006	-0.004	5.42	4				1	M5E	4	195748	V	1
1564	T COL	ns 17 27.487	1-33 45 30+00	+0.0040	+0.034	6.8	7				1:	G5	6	195996	V	
	RV COL	05 33 50.021	1-30 51 26 161		-0.009	9.3	2	7.33	2			MITTI	7	195807	V	1
1565	SW CoL	05 21 44.874	-39 43 25•77	+0.0011	+0.003		-	7.94	7		1	M1		196906	V	
1566	SX CoL	06 29 50 933	-36 54 14•85	-0.0007	+0.054	6.31	١.:	2.520	•	2.050	1	BEVE	i	196059	DV?	١
1567	ALP COL	05 37 50.211	-34 05 58.73		-0.027	2.640				5.490		KZIII	1	195240		- 1
1568		05 49 11.72	7 -35 47 09.73		+0.402	3.120		4.280		3.52		BSIV		196352	D	- 1
1569		05 55 45.769	-35 17 15 18		+0.008	4.36		4.18		3.52	15	GG4		196735	1	ı
1570	GAM COL	05 30 17-07	3 -33 24 36 07		-0.056	3.850		4.730		5.250		GK1	1	195924	1	- 1
1571	DEL COL	05 29 26.16	-35 30 22.02	+0.0020	-0.036	3.870		5.010		6.070			1	217650	1	ļ
1572	EPS COL	05 E7 36 AA	5 -42 49 01.39	+0.0014	-0.016	3.960		5.100		6.180	11	KOIII		196514		1
1573	ETA COL	05 05 49 67	1 -37 14 41.28	-0.000	5 +0.000	5.02			2	1		B9	1	196643		١
1574	THE COL	06 05 46.07	8 -35 07 22.03	-0.001	1 +0 • 084	4 • 37	2	5.37			2	GSIII	1	196276	1	
1575	KAP COL		7 -33 48 40 70	-0.000	8 +0 •033	4 . 870	1	4.720			11	B5V	1	196149		
1576	LAM COL		4 -32 19 27 47		3 -0.025	5.17	2	4.89	2			09.5V	1	170601	1	
1577	MU COL	05 44 00.32	0 -27 53 57.55		7 -0.061	5.95	1	_	1			A5	1	170613		
1578	NU - 1 COL		3 -28 43 06.11	-0.003	0 +0.051	5.31	2		2		2	DF4	1	196316		
1579	NU - 2 COL		77 77 77 77 07	+0-002	1 -0.026	4.97	12	6.08	2			GGB			1	
1580	XI COL	05 53 46.56	7 -37 07 37.07		8 -0.339		12		2	6.62	2	KOIV		195721		
1581	OMI COL		0 -34 56 35.08		7 +0.003	6.25	1		1		1	AM	1 1	217720	1	
1582	PI - 1 Col		6 -42 17 29.33		6 -0.014	5.48	1		. [1		AO .	1	217730		
1583	PI - 2 Col	06 06 19 65	1 -42 08 42.46		1 +0.008				1			F0	Ι.	196330		
1584	SIG COL	05 54 27.96	9 -31 23 17.23		8 -0.016	1 .	4				1	F8	4			
1585	1 CO	11 11 59 10 11	8 +22 22 22 19		6 -0.009	1 _			1		1.	FM		82123		
1586	2 Col	1 12 01 43.06	5 +21 44 15.35		4 -0.006		1	6.360)		1	A2V	. [99973		
1587	3 Col	1 12 07 58.74	3 +17 05 14.50		4 -0.032		1	1	1			GK4	1	82178		
1588	4 Col	1 12 09 19.04	4 +26 08 55 60		3 -0.027	1	1	1				GG8	ľ	82182		
1589	5 Col	1 12 09 36.77	9 +20 49 12.97		8 -0.032			5.130)	1		AZV	1	100012		
1590	6 Col		5 +15 10 38 40		2 -0.012		-		-1		1	KOIII	1	82211		
1591	7 CO	1 12 13 48.84	0 +24 13 23.62		6 -0.016		2	6.44	12	6.58	2	AM		82239		
1592	l B Co	1 12 16 47.69	7 +23 18 44.13		0 -0.133	1.	1	1	- [DF8	1	82244		
1593	9 CO	1 12 16 59 43	15 +28 26 09.98		9 +0.084		12	5.75	12	6.54				100053		
1594	11 CO	4 12 18 11.46	30 +18 04 08 -27	-0.000	9 -0.014		12		12		- 2	GOIII-IV	+4	82273		
1595	12 C0	M 12 19 59.6	15 +26 07 24.31		2 -0.01		13	5.26	- 4	5,36		A3V		82291		
1596	13 CO	ul 12 21 48.12	24 +26 22 32 44					5.22		5.40				82310		
1597	14 CO	M 12 23 54.1	54 1+27 32 42.06		11 -0.013			5.08					1	82314		
1598	16 CO	M 12 24 29.4	li +27 n6 08•63		0.015			5.91		6,00		FSIV		82333		
1599	18 CO	M 12 26 56.9	39 +24 23 06 44	-0.00	23 -0.00	5 48		5.79		- 3,30		ASV	- 1	82336	5	
1600	20 Co	H 12 27 12.5	70 +21 10 21.86	[+0•00:	17 -0.03	5.72		2013	٦,	i .	- 1	1	1			

TABLE 3 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	PN	RA DEC PM PM	VISUAL MAG.	И	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S	SAO CAT.NO.	STAR PROP.	1
1601	22 COM	12 31 04.736	+24 33 31.51		-0.0013 -0.008	6.29	2	6.40	2	6.49	2	A4V		82378		Τ
1602	23 COM		+22 54 15.43	Ł	-0.0049 +0.016	4.81	2	4.81	2	4.80	2	AOIV		82390	1 .	1
1603	24 A COM	12 32 37.306	+18 39 07.37	1	-0.0004 +0.018	5.18					l	K2III	1	100160	D	1
1604	24 B COM	12 32 35.872	+18 39 07.84		-0.0002 +0.019	6.72						F1V?		100159	DV?	1
1605	25 COM	12 34 27.913	+17 21 53.16	1	-0.0026 -0.022	5.68		1.			1	GK5		100176	1	ı,
1606	26 COM		+21 20 14-11	1	-0.0060 -0.015	5.39			1.0			GG8	1.	82421		1
1607	27 COM		+16 51 00.91	1	+0.0006 +0.002	5.15		100	1			KSIII		100252		1
1608	28 COM		+13 49 33.69		-0.0033 -0.033	6.40		6.420	1		1.1	AOV		100269	1	
1609	29 COM		+14 23 42.62	1	+0.0022 -0.029	5.70	2	5.72	2	5.79	2	A2V	1	100283	1	1
1610	30 COM		+27 49 27.45	1	-0.0073 +0.017	5.70	-	5.720	1		ļ .	A2V		82515	D	1
1611	31 COM		+27 48 44.73		-0.0010 -0.013	4.94	2	5.61	2	5.81	2	GOIII		82537		-
1612	32 COM		+17 20 43.66	1	-0.0002 -0.017	6.38	-	***	17		_	GMO		100309]	-
1613	33 COM		+17 22 49.27		+0.0022 -0.041	6.92	4					F8	4	100311	1	4
1614	35 COM		+21 30 58.99		-0.0034 -0.027	4.97					l	G8III+F6		82550	ם ו	1.
1615	36 COM		+17 40 42.39		-0.0024 +0.024	4.79	2	6.35	2	8.31	2	GMO		100357	٧?	
1616	37 COM		+31 03 15.55	1	-0.0016 -0.012	4.90	-		1			69?11-111		63288	D	Ì
1617	38 COM		+17 23 32.28		-0.0004 -0.030	5.86			1		•	GG7	1	100374		
1618	39 COM	13 03 55.003		1	-0.0052 -0.048	5.94			1		l	DF1		82650	D	
1619	41 COM		+27 53 33.31	1	+0.0023 -0.077	4 - 82	2	6.27	2	8.14	2	KSIII	100	82659		
1620	17 AI COM		+26 11 21.69	1	-0.0019 -0.024	5.29	2	5.23	2	5.13	2	A SI		82330	DV	1
1621	FK COM		+24 29 25.35	1	-0.0046 -0.022	8.0	6				1	G5	6	82867	DV	1
1622	FM COM		+26 17 08 64	1	-0.0003 -0.026		2	6.66	2	6.75	2	A7V	7	82237	V	
1623	40 FS COM		+22 53 02.05		+0.0018 -0.053	5.60	2	7.19	2	8.82	2	GM5		82651	V	1
1624	TV COM		+19 04 44.22	Ì	+0.0002 -0.009	9.2	6		1		į			100109	V	1
1625	21 UU COM	12 28 30,830			-0.0009 -0.013	5.46	2	5.51	2	5,61	2	AP		82346	V	
1626	42 ALP COM	13 07 33.321		İL	-0.0302 +0.131	4.23		4.68	2	4.62	2	F5V+F5V		100443	D	- 1
1627	43 BET COM	13 09 32.444			-0.0605 +0.879	4.26	2	4.84	2	4.92	2	GOV		82706	<u>l</u>	ı
1628	15 GAM COM	12 24 26 870			-0.0064 -0.087	4.37	2	5.50	2	6.65	2	K1III-IV		82313	Ī	
1629	U CRA		-37 53 02.39		-0.0002 -0.024	9.9	7					GM	6	210449	V	1
1630	AM CRA		-37 31 56 68		+0.0008 -0.009	8.5	6					MB	6	210455	V	
1631	TY CRA		-36 56 51 86		+0.0008 -0.043	8.7	7]			l	B2	6	210829	DV	1
1632	TZ CRA		-43 22 52.60		+0.0019 -0.001	9.7	6]		AO ·	6	228898	٧	
1633	V 668 CRA		-42 21 23.70	1	+0.0046 -0.097	8.7	6	8.91	7	9.06	7	A5	6	229101	V.	
1634	ALP CRA	19 06 04.345			+0.0071 -0.099	4.110	1	4.150	1	4.240	1	A2	1	210990	ł	
Î635	BET CRA	19 06 35.486	-39 25 19.53	1	+0.0002 -0.037	4.110	1	5.310	1	6.380		GG3		211005		
1636	GAM CRA	19 03 02.400		1	+0.0079 -0.273	4.21	2	4.73	2		2	F8V+F8V		210928	D	1
1637	DEL CRA	19 04 52 193		1	+0.0032 -0.025	4.59	2	5.69	2	6.72	2	GK1		229513		
1638	EPS CRA	18 55 21.108		1	-0.0107 -0.097	4.87			1			FOV	1	210781	٧	
1639	ZET CRA	18 59 34.512		1	+0.0049 -0.051	4.75	2	4.73	2	4.66	2	AO	ľ	229461	1	
1640	ETA- 1 CRA	18 45 14.049	-43 44 11.56	1	+0.0022 -0.017	5.49	2	5.62	2			A2		229299	1	
1641	ETA- 2 CRA		-43 29 28.78	1	-0.0003 -0.022	5.64	1		1			B9	į į	229307	1	ı
1642	THE CRA	18 29 55.960			+0.0028 -0.021	4.64	2	5.66	2	6.42	2	GSIII	1	229111		1
1643	KAP- 1 CRA		-38 45 29.43		+0.0018 -0.027	6 • 55						B8	ľ	210296	ם	1
1644	KAP- 2 CRA	18 29 56.221	-38 45 51.01		-0.0003 -0.029	5.95		1	1			Α		210295	D	1
1645	LAM CRA	18 40 21.169	-38 22 24.69		+0.0002 -0.056	5.13	1				l	A1V		210501	מ	
1646	MU CRA		-40 27 40.90	1	+0.0007 -0.014	5.24	2	6.02	2			\$?G2		229285	l	1
1647	R CRB		+28 18 32-24	1	-0.0003 -0.017	5.8	1				1	F PEP		84015	٧	1
1648	S CRB	15 19 21.526	+31 32 46.51	1	-0.0016 -0.010	6.0	4	1	1			M7E	. 4	64652	V	
1649	T CRB	15 57 24.505	+26 03 39.04	1	-0.0005 +0.011	2.0			1	I	l	PEC		84129	V	1
1650	U CRB		+31 49 43.85		-0.0023 -0.011	7.7	4		1		ŀ	B8	4	64619	V	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	ο 7	RA PM	DEC PM	1	>		B N	UV MAG.	U; N	SPECTRAL CLASS	5 N	SAN CAT.NO.	STAR PROP.	G N
1651	V C _R B	15 47 44.082	+39 43 22.73		+0.0018	-0.002	6.9	4					N3E	4	64929	V	Γ
1652	RR CRB	15 39 35.166	+38 43 01.03		+0.0013	-0.035	7.2	4				1	MB	4	64848	V	1
1653	RS CRB	15 56 39.081			-0.0054	-0.017		6		1			M7	7	64995	V	
1654	RW CRB	15 37 12.525	+29 47 01.02		-0.0012	-0.005		7		:		ľ	F8.	6	83931	٧	
1655	RY CRB	16 21 07.838			-0.0000			6				1	1		65266	V	
1656	SW CRB		+38 52 41.93		+0.0012			6				١	K5	6	64844	٧	1
1657	SX CRB	16 13 29.530			-7-0014		8.8	6				1	l	1	65175	V	
1658	SY CRB	15 34 55.981			+0.0001			6		١.		I.	MC.	6	64810	, V	1
1659	5 ALP CRB		+26 52 54.75		+0.0090		2.240		2.220		2,190		AOV		83893	۱v	ŀ
1660	3 BET CRB		+29 16 37 • 26		-0.0137		3.680		3.970	4 -	4.080		FP	ł	83831	Va	1
1661	8 GAM CRB		+26 27 10.37		-0.0079		3.850		3.840		3.800		AOIV		83958	UV.	
1662	10 DEL CRB		+26 13 12.87		-0.0058		4 • 63	2		2		2	G5III-IV	1	84019	D	
1663	13 EPS CRB		+27 01 17.43	1.	-0.0058			2		2	6.66	2	KSIII		_	1	1
1664	7 ZET- 1 CRB		+36 47 52 - 71		-0.0015		6.00	1.	5.880 4.950				B6V B7V	1	64833 64834	ם מ	50
1665	7 ZET- 2 CRB		+36 47 49.58	-	-0.0014		5.07			_	E 40	اء	G2V+G2V	1	64673	6	5
1666	2 ETA CRB		+30 28 02.35		+0.0104			2	4.00	2		2	B7NN		64769	10	1 "
1667	4 THE CRB		+31 31 36.47		-0.0017 -0.0023			2	4.91	2	4.71	2	AOII-III		84152	V?	
1668	14 IOT CRB		+35 48 41.15		-0.0010			2	5.82	2	6.69	2	KOIII-IV		64948	"	
1669	11 KAP CRB		+38 05 25 28		+0.0029			2	5.78	2	5.81	2	F2		64974		1
1670	6 MU CRB		+39 10 30 26		+0.0021		5.22	۱۲	••••	٦	3.31	-	GM2	1	64790		1
1671 1672	20 NU - 1 CRB		+33 54 56 32		+0.0003		5.32					1	GM2	1	65257		1
1673	21 NU - 2 CRB		+33 49 07 65		-0.0008		5.32	١.		ı		1	KSIII		65259	1	
1674	19 XI CRB		+31 00 25 01		-0.0076		4.85	2	5.82	2	6.62	2	KOIII		65254		1
1675	1 OMI CRE		+29 47 47.25		-0.0094			2	6.53	2		12	KOIII		83768		ŀ
1676	9 PI CRE		+32 40 21.41		-0.0027		5.43	Ι.		-		Ī	669		64870		1
1677	15 RHO CR9		+33 27 12.17		-0.0159		5.40	2	6.00	2	6.09	2	G2V	1	65024		
1678	17 SIG Cgs		+33 59 02.61	N	-0.0221	-0.080	5.367	l					DF6+DG1		65165	?עם	52
1679	16 TAU CRA	16 07 08.471			-0.0047	+0.328	4.76	2	5,77	2	6.64	2	KOIII	1	65108	DV?	
1680	18 UPS CAB		+29 16 21 .84		+0.0013	-0.020	5.78	2	5.85	2	5.95	2	A3V	ł	84281	D .	1
1681	3 CAV	12 08 29.091	-23 19 26 24		-0.0047	-0.021	5.46	2	5.52	2			A2		180546		
1682	6 CRV	12 20 44.931	-24 33 47.28		-0.0015	-0.015		2	6.84	2		ľ	GK1		180747		1
1683	R CRV		-18 58 41.71		+0.0004		5.9	4.		1			M6E	4	157211	V	ŀ
1684	S CRV		-16 59 21.25		-0.0018			6					F5	6	157401	V	ŀ
1685	RU CRV		-20 33 39.20		-0.0016		9.1	6				ı	M2	6	180922	V	1
1686	RV CRV		-19 18 10.61		-0.0033		8.6	6	l				F0	6	157402	V	
1687	1 ALP CRV		-24 27 00 • 13		+0.0062		1	2		2		2	F2V	1	180505	1 00	1
1688	9 BET CRV		-23 07 13.60		+0.0001			1	3.520		4.170		GSIII	1	180915	V?	1
1689	4 GAM CRV		-17 15 51.84		-0.0114		2.580		2.470	1	2.120	11	Balli		157176	0/3 /5	
1690	7 DEL CRY		-16 14 14 14		-0.0148		2.940		2.890		2.800		B9.5V?N		157323	DV?	1
1691	2 EPS CRV		-22 20 30 12		-0.0052			1	4.320		5.790	۱+	KSIII	1	180531	V?	1
1692	5 ZET CRV		-21 56 17.08	ŀ	-0.0070			2	5.11 4.69	2	4.71	2	B8 FOIV	1	180700 157345	"	
1693	8 ETA CRV		-15 55 09.82		-0.0298	-0.000	4.32	2	7.07	~	4.71	1	LOTA		721242	ļ:	1
1694		= -N-2 HYA								1		1	.	1			
1695		= -N-1 HYA	10 02 50 10		-0.0012	±0.008	5.28			1.]	B1.5V	1	157042	1.	5:
1696	31 CRT		-19 22 50 18		-0.0012		9.8	4	100	L	ļ .		MC	4	156389	DV	1
1697	R CRT		-18 03 21.78	l	-0.0006		8.5	6					MC	6	138457	V	
1698	S CRT		-07 19 06 02		+0.0002		8.6	6		1	1	1	M4	6	156650	l v	1
1699	T CRT		-19 37 59.93	١.	-0.0036		9.3	6	1	1			M5	6	156732	ľv	1
1700	RR CRT	TT 53 03.332	-12 06 19.93		-0.0036	-0.013	7.3	١٠		1	1	1	113	l	130,02	1	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	- 1	RA PM	DEC PM		V N		B N		U N	SPECTRAL CLASS	5 N	SAO CAT.NO.	STAR PROP.	1
1701	RU CRT	11 48 33.334	-10 55 46.68		-0.0008	-0.001	8.2	6		Г			M3	6	156937	V	Τ
1702	RV CRT	11 16 45.425	-19 33 17.92	: 1	-0.0042	-0.005	9.2	6	1				F8	6	156604	٧	1
1703	RW CKT	11 03 27.165	-08 53 03.30	1	-0.0005	-0.026		6		l		ľ	MB	6	137985	V	
1704	RX CRT	11 15 18.465	-21 52 19.22	- 1	-0.0019	-0.028	7.76	5		1			M3	6	179746	V	
1705	SS CRT		-17 39 02 16	١	+0.0007	-0.013	8.8	6		1		l	M3 .	6	156775	V	1
1706	SU CRT	11 30 19.397	-11 45 25 28		+0.0024	-0.160		6	9.10	1			F2V	7	156747	V	1
1707	7 ALP CRT	10 57 20 138	-18 01 55.62		-0.0326	+0.124	4.07	2		2		2	KOIII	1	156375		
1708	11 BET CRT	11 09 11.730	-22 33 08.99	. 1	+0.0000	-0.102	4.48	2	4.51	2	4.56	2	A2IV	1	179624		ı
1709	15 GAM CRT		-17 24 32.96		-0.0072		4.08	2	4.29	2		2	A7IV		156661	D	
1710	12 DEL CRT		-14 30 27.65		-0.0088		3.560	1	4.670		5.660	1	G8III-IV	l	156605		1
1711	14 EPS CRT		-10 35 05.39		-0.0022	+0.021	4 . 83	2	6.39	2		l	KSIII	I	156658	İ	1
1712	27 ZET CRT		-18 04 21.55		+0.0020			2		2	6.43	2	GBIII	1	156869		1
1713	30 ETA CRT	11 53 27.831	-16 52 20.63		-0.0039	-0.011	5 • 18	2		2			AOV		156988	\ V?	1
1714	21 THE CRT		-09 31 32 04		-0.0045		4.70	2	4.62	2	4.46	2	B9V	1	138296	1	
1715	24 IOT CRT		-12 55 35.21		+0.0060		5 • 64			1		١.	DF5		156802	. D	1
1716	16 KAP CRT		-12 04 54.43	ı	-0.0072	+0.015		2	6.43	2		1	DF4		156685	D	
1717	13 LAM CRT		-18 30 18 07	i	-0.0222	-0.039	5.09	2	5.51	2	5.45	2	F5IV		156646		ı
1718	PSI CRT		-18 13 38.86		-0.0016	-0.035	6.13	2	6.12	2		1	A0	1	156528	D	1
1719	R CRU	12 20 52.216	-61 21 07.59	- !	+0.0017	-0.015	6.6	4	7.180			l	F5	4	251878	V	1
1720	S CRU		-58 09 34 04	- [-0.0013	-0.005	6.20		6.900			l	GO		240362	٧.	1
1721	T CRU	12 18 36.501		ı	-0.0006	+0.008	6.6	4	7.360				G0	4	251861	V	1
1722	X CRU	12 43 26.930			-0.0005			7	9.870	7			G5 .	6	240231	V	1
1723	AB CRU	12 14 55.850		- 1	-0.0034		8.9	7					BC	6	239816	٧	ļ
1724	AG CRU	12 38 32.500			+0.0002			7	8.860	7			F5	6	240150	V	1
1725	AO CRU	12 15 02.450		1	-0.0086		8.5	7					K5	6	251832	٧	İ
1726	BG CRU	12 28 51.856			-0.0018		5.44	.		7	6.37		F5IB-G0P	7	240027	. V.	1
1727	ALP- 1 CRU		-62 49 19.43	1	-0.0036		1.317		1.067		0.067		B1IV		251904	סן	1
1728	ALP- 2 CRU	12 23 48 695		1	-0.0041		1.828		1.578		0.578		B3N			D	1
1729	BET CRU	12 44 47.037	-59 24 56 53	١	-0.0050		1.250		1.020		0.030		B0.51V	1	240259	DV	1
1730	GAM- 1 CRU	12 28 22.727			+0.0035		1.630		3.220		5.180	1	M3II		240019	DV3	
1731	GAM- 2 CRU	12 28 29.606			+0.0006			2		2			Á2		240022	D	1
1732	DEL CRU	12 12 28.600			-0.0049		2.810		2.570		1.660		B2IV		239791	V.5	1
1733	EPS CRU		-60 07 30.06	- 1	-0.0235		3.590		5.010	11	6,630	1	GK3	1	251862	Λ?	1
1734	ZET CRU		-63 43 30 91		-0.0067		4.040		3.870		3,190	1	BSIV		251841	D	
1735	ETA CRU	12 04 15.481			+0.0052		4 • 15	2	4.49	12	4.52		FOILI		251742	D	
1736	THE- 1 CRU		-63 02 04.31	-	-0.0214		4.310		4.585		4.615		A M	ĺ	251705	D	1
1737	THE- 2 CRU		-62 53 14.24		-0.0023		4.710		4.625		4.015		B3IV		251717	_V?	ł
1738	IOT CRU		-60 42 25 27		+0.0140		4.69	2		2	6.67	12	Killi		252016	D	1
1739	KAP CRU	12 50 48.851		- 1	+0.0012		5.90	١.	6.140	١.	- 0-0	١.	BSIAB		252077	İ	1
1740	LAM CRU		-58 52 31.38	ı	-0.0041		4.620		4.470		3.870		B5?VN		240368		1
1741	MU - 1 CRU		-56 54 24.00	ĺ	-0.0036		4.030		3.860		3.110		BSIV	ł	240366	D	1
1742	MU - 2 CRU		-56 53 49.85		-0.0039		5.19			2		2	B5VE	1	240367	ח	
1743	2 CYG		+29 31 20 47		+0.0011		4.97	4	4.88	2	4.16	2	BSIV		87159	1	
1744	t CYG		+36 12 59.35		+0.0001		5.12		5.010			l	ASI	1	68301		
1745	7 CYG		+52 13 04.35	۱	-0.0021		5 • 56	_	,	1			AO	l .	31673		
1746	8 CYG		+34 20 44.00		-0.0002			2	4.61	2	3.94	2	BSIV		68447	l	1
1747	9 CYG		+29 21 06.78		+0.0010		5.32			1			F5+A0		87385		
1748	11 CYG		+36 49 57.06		+0.0004		5.78		5.660			1	B8V		68552	1	
1749	14 CYG		+42 42 06.22		+0.0016		5.36		5.280	1		1	AP		48691	1.	1
1750	15 CYG	19 42 28.301	+37 13 56.98		+0.0059	+0.035	4 • 85	1	f	1		•	GSIII	ı	68778	i i	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	> 2		B N	•	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAP PROP.	ľ
1751	17 A CYG	19 44 31.601	+33 36 36 80	+0.0014	-0.445		2	5.45	2	5.45	2	F5V		68827	ח	
1752	17 B CYG		+33 36 45.69	+0.0021	-0.438	9.2	4					K5	- 4	68830	D .	
1753	19 CYG		+38 35 33.82	+0.0007	+0-108	5 . 24						GM2	ŀ	68947	DV?	1
1754	22 CYG		+38 21 10 - 14	-0.0003	+0.003	4 • 95	2	4.86	2	4.34	2	Belli		69101	1	
1755	23 CYG	19 52 15.844	+57 23 30 98		+0.015	5.01		4.880			1	B5V		32085		İ
1756	25 CYG		+36 54 17.27		+0.006	5.20		5,030	ا ۱		۱ .	B3VE		69231	DV?	1
1757	30 CYG		+46 39 48 89	+0.0008		4 • 83	2		2		2	ASIII	ŀ	49332	UV	
1758	33 CYG		+56 24 50 93		+0.085	4+30	2		2		2	A3IV-V		32378 69806	V?	
1759	35 CYG		+34 49 31 • 59		-0.005		2		2	6.29	2	F5IB		69803	١ ٧٠	1
1760	36 CYG		+36 50 32-51		+0.027	5.50	2	5.560 5.77	2	7.27	2	KSIII		69950		
1761	39 CYG		+32 01 39.89		+0.002	5.38	١٩١	5.410		1.21	-	A3V	l	70056		
1762	40 CYG		+38 16 30 • 61 +30 12 02 • 35		+0.002	4.020	11	4.420	lı l	4.720	lı	F511		70095		
1763	41 CYG		+36 17 12.73		+0.002	5.88		6.360	-	, ,	1	AIIB		70096		ł
1764	42 CYG 43 CYG	20 25 30-517	+49 13 00.41		+0.062	4.740	2	5.780	2	6.710	2	DFO		49643		4
1765 1766	43 CYG	20 29 05-158	+36 45 59.07		-0.002		2		2	7.93	2	F5IAB		70135	ם	
1767	47 CYG	20 31 57.393	+35 04 43.27		-0.004		2		2		2	K5+A3	1	70203		1
1768	48 CYG	20 35 29.698	+31 23 48.89		+0.003	6.20	100	6.100				BBIV	1	70287		
1769	49 CYG	20 39 00.995	+32 07 42.32	+0.0004	-0.011	5.60						GBII		70362	ַ יַּם ן	
1770	51 CYG	20 40 40.056	+50 n9 35+14	-0.0001	+0.007	5+38		_				B2V		32809	D	
1771	52 CYG	20 43 35.774	+30 32 10-47		+0.031	4.23	2	5.29	2		2	KOIII		70467	2	1
1772	55 CYG	20 47 13.981	+45 55 40 43		+0.003	4 • 86	2	5.28	2	4.83	2	BSIA	1	50099	DV3	Т
1773	56 CYG	20 48 18.237	+43 52 12.60		+0.137	5.08			ا ۱	۱. ۵-	١,	A4M?		50121	V?	1
1774	57 CYG		+44 11 49.76		+0.004	4.77	2	4.63	2	4.05	2	B5V B1VE		50359	D	
1775	60 CYG	20 59 26.064	+45 57 31.35		+0.011	5.40		5.200	1	5.945	1	K5V+K7V		70919	ŏ.	1
1776	61 CYG	21 04 39.931	+38 29 59 11 0	+0.3523	+3.185	4.775 5.95	1	5.890	1.	5,743	۱۴	BOIB	1	71329	lŏ	1
1777	69 CYG	21 23 44 25/	+36 27 02 44		-0.002 L+0.006	5.21		3.070			1	B3V	1	71358	1	
1778	70 CYG		+36 53 55 35		+0.101	4.91	2	5.99	2	6.99	2	KIIII		71480		
1779	72 CYG	21 32 43 640	+38 18 32.85 +40 11 17.55		+0.017	5.00	-	","	-	""	-	A4	1	51101	1	١
1780	74 CYG	21 34 30.300	+43 02 46.22		+0.022	6.20			l	2.0		GMO		51167	DV?	- 1
1781 1782	75 CYG	21 30 33.406	+40 34 39-11		-0.042	6.11	2	6.18	2	6.26	2	A2		51189	1	Į
1783	77 CYG	21 40 21.989	+40 50 53 19		+0.007	5.48	l .				1	AO		51207	D	1
1784	79 CYG		+38 03 14.72		+0.007	5 • 62		5.620	ĺ		1	B9.5V	-	71643	0	-
1785	68 A CYG		+43 44 05.23	-0.0001	-0.006	4.99	1	4.990				08	1.	<0690	1	
1786	27 -B- 1 CYG		+35 50 01 • 52		-0.435	5.33	5	6.18	2	6.72	12	KOIV		69413		1
1787	28 -B- 2 CYG	20 07 34.092	+36 41 29.09		+0.016	4.92	2	4.80	2	4.02	2	B3VE		69518	ŀ	
1788	29 -B- 3 CY6	20 12 39.579	+36 39 07.85		+0.071	4.99	2	5.11	2	5.10	2	A2P	1	69678 31898	D	
1789	16 -C- 1 CYG	19 40 29 115	+50 24 30 . 26		2 -0.151	5.95	2	6.59	2	6.79	2	G2V G5V]	31899	0	- [
1790	16 -C- 2 CYG		+50 24 02.76		0.160	6.20	2	6.86	2	7.07	1-	KSIII		32042	V?	-1.
1791	20 -D CYG	19 49 22.412	+52 51 37.60		5 -0.066	5.00		6.280			1	KIII-III		49098	D	
1792	26 -E CYG		+49 57 53 05		5 +0.006	5 · 18	2	4.71	ĺ2	3,77	2	B1IV?E		50335	Ďν	- [
1793	59 -F- 1 CYG		1 +47 19 30 07		5 +0.003	4.56	2	6.12	2	7.85	2	KATI	1	50456	DV?	- 1
1794	63 -F- 2 CYG	1	+47 26 48.21 +46 19 09.90		1 +0.107	5.20	1		-	100	[KOIII		50934		
1795	71 -G CYG		+37 52 35.55		7 -0.002	4.82	2	5.24	2	4.66	2	ВР	1	69773	V	-1
1796	34 P CYG	10 35 28 601	+50 05 11.53		6 -0.007	5.6	4		Ī.		1	SE	4	31822	V	1
1797	R CY6	20 45 10 011	+34 11 21.85		6 +0.006	5.20		1				KSIII	1	70499	DV	
1798	T CYG	20 18 03-211	+47 44 09.91		0 +0.030	6.1	4		1			R8	4	49477	V	-
1799 1800	V CYG		+47 57 45 41		7 +0.026	6.8	4	I		1	1	N3	4	49940	ΙV	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V V	BLUE MAG.	B	UV MAG.	Ü N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAP PROP.	Ľ
1801	W CYG	21 34 06.202	+45 09 00•36	+0.0045	+0.010	5•38	2	6.97	2	8.21	2	GM4E		51079	٧	
1802	X CYG		+35 24 23.93	-0.0010		6.5	. 1	7.340	7			F7IB		70423	V	1
1803	Ŷ CYG		+34 28 08 28	+0.0017	-0.004	6.9	4	1000				B2	.4	70599	٧	1
1804	AA CYG		+36 40 26 28	-0.0010	-0.010	8.4	6	4 1	i		1	NP	-6	69360	٧	1
1805	AB CYG		+31 52 38 99	+0.0024		7.8	6		. 1	4.11		M4IIIE	7	71513	٧	١
1806	AC CYG		+49 17 55 84	+0.0008	+0.026	8.1	6		- (-	: '		MC	6	49327	٧	ı
1807	AD CYG		+32 23 40 . 26	-0.0003		9.1	6				1	NP	6	70151	٧	ı
1808	AF CYG		+46 02 31.72	+0.0027		6.4	4					М4	4	48521	V	1
1809	AI CYG		+32 21 07.80	+0.0013		9.0	6					MA	6	70155	V	ı
1810	AZ CYG		+46 16 20 95	+0.0015		8.0	6							50296	V	1
1811	BR CYG		+46 40 01.61	-0.0012	+0.016	9.1	6				ł			48721	. V	1
1812	CD CYG		+33 58 10 52	+0.0003	+0.007	9•1	6				1			69357	V	l
1813	CE CYG		+46 47 44.58	+0.0038	+0.004	7.7	-6				1	K2	6	50703	V	ı
1814	CF CYG		+51 56 55.21	+0.0008	+0.008	9•0	6					A2	6	32207	V	
1815	CH CYG		+50 08 31.02	-0.0009	-0.015	7.07	4				1 .	MB	4	31632	V	Î
1816	CP CYG		+44 28 16.95	-0.0004	-0.024	6.05	- 1				1	A3		51109	٧	1
1817	CQ CYG	19 56 24.243	1 +53 10 26 37	+0.0009	-0.001	8.9	6		1			F2	6	32144	V	ı
1818	CY CYG	20 45 08 223	+45 52 03.19	-0.0009	+0.005	7.9	6		1		1	PEC	6	50053	V	ı
1819	DL CYG			+0.0012	+0.005	9.2	6		1		1			51160	V .	ı
1820	DT CYG			-0.0002	+0.000	5.7			1			F5.5I-II		70917	V	1
1821	GO CYG		+35 15 39 46		-0.007	8.3	6	4.4			1	A0	6	70279	V	L
1822	KR CYG		+30 24 10 64		-0.012	9.1	6	1.7	1			A0	6	69504	V	Ī
1823	MR CYG		1 +47 44 37 14		+0.018	8.8	6							51509	ľ	ł
1824	MY CYG		1 +33 47 03.94		+0.023	8.4	6					Α	. 6	69850	ľ	1
1825	QZ CYG				+0.004	9.3	6		ı	i .				69206 69636	V	ı
1826	RS CYG		3 +38 34 36 40		-0.002	6.8	4					NOE	4	48773	ľ	ı
1827	RT CYG		1 +48 39 25.77		+0.019	6.3	4					M3E	4	33654	DV	ı
1828	RU CYG		6 +54 05 49·33		-0.002	6.9	4		ľ			M8E	1	71642	ν	١
1829	RV CYC		5 +37 47 16.91		-0.004	7 • 1	4			1		N5	1 4	49282	v	1
1830	RX CYG		1 +47 39 49 46		+0.015	7•5	4	- -	۱_			B3	"	87659	v	1
1831	SU CYG		9 +29 08 34.10		+0.000	6.4	_	6.820	7	1		F2P		49198	v	1
1832	SW CYG		3 +46 09 14.58		-0.001	9.0	6		1	1	1	A2	6	68688	v	1
1833	TT CYG		2 +32 30 02.21		+0.002	8.0	6				1	N3E	1 4	51154	DV	1
1834	UU CYG		3 +43 03 04.65		+0.018	8.9	7		-			A2	1 .	70716	V	1
1835	VX CYG		+39 59 02.21		+0.021	9.0	,	10.430	1 ′		1	A3	6	31761	v	ı
1836	λZ CYG	4 TO 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+56 16 47-18		-0.019	9.2	6		1		1	l M3	.0	70517	DΫ	1
1837	V 367 CYG		+39 06 08+35		-0.006	7.0	P				1	B1IV?		48892	l v	1
1838	V 380 CYG		+40 28 17.49		-0.006	5.6	6					6114-		69812	v	١
1839	V 382 CYG		+36 11 00 -22		+0.012	8.6	P		1		1	AO		70968	DV	1
1840	V 389 CY		5 +30 00 09.79		-0.014	5.6	6				1	ÃO	6	49051	ν	1
1841	V 393 CY	19 57 09.049	9 +43 09 30 78		-0.025	9.0			1	1	1	Go	6	49234	ĺν	١
1842	V 395 CY		9 +43 54 47 77		-0.010	8.2	6			1		MC	6	49517	V	
1843	V 405 CYC		5 +40 17 12 69		+0.011	8.1	6				1	ОВ	6	69833	V	-
1844	A AAA CAG		9 +38 34 24 • 38			8.3	6			1	1	B3	6	69410	l v	1
1845	V 44B CYC		5 +35 14 29 47		+0.005	7.7	6				1	M3	7	69031	V	1
1846	V 449 CYC		3 +33 49 07.16			8.3	6		1	1	1	"	'	69422	V	.
1847	V 453 CYC	20 04 42 13	9 +35 35 45 06		+0.014	6.05	2	8.57	10	13.87	2	C6-3		71613	v	ļ
1848	V 460 CY		9 +35 16 53 25		+0.003	8.2	6		٦	1.3.07	1	""		49467	V	
1849	V 470 CY	20 1/ 35.49	5 +40 43 48 43		-0.016	8.5	6				1	AO	6	69381	V	١
1850	V 477 CY	20 03 29.47	4 +31 49 39 65	+0.0003	1 -0.010	0.5	۱ď		1		1	1 "	ľ		<u> </u>	_

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATIO	N	RT. HR M	ASCEI N SI		DECLIN		P N	RA PM	DEC PM	VISUAL MAG.	V N	1	B N	~ -	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	1
1851	V 478	CYG	20 1	7 48.	267	+38 10	38 • 88		-0.0018	-0.034	8.7	6					В	6	69836	V ,	
1852		CYG					51.02		-0.0032	-0.018	9.1	6	100				Contract of		69006	. V	1
1853	V 485	CYG					19.39		+0.0020		8.6	6				1	MC	6	69264	V	1
1854	V 539	CYG					22.15		+0.0017		8.7	6	i				MB	6	51156	V	1
1855	V 548	CYG					50.79		-0.0004		8.5	6					AO	6	32137	V .	1
1856	V 568	CYG					33.76		-0.0018		6.50						B2VE		70406	V	1
	V 680		20 7	1 58	530	153 10	01.56		+0.0017		9.6	6				1	88	6	33841	V	1
1857		CYG	= OMI			+33 31	01430	١.		0.020	1				100						1
1858	V 695					. E2 -C	00 61		-0.0022	40.043	8.8	6		1	8.5		M2	6	32028	V	1
1859	V 697	CYG					28.61	1 '	-0.0002		9.3	6		ŀ		١.	,		70051	V	1
1860	V 768	CYG					27.10		-0.0013		6.16	Iٽ	1				BO.5IIIP	l	48940	V.	
1861	V 819	CYG	19 5	1 32.	304	+4/ 40	36-27	1			9.2	6					B8	6	32748	v	1
1862	V 828	CYG				+54 15	20.37	1	-0.0011	-0.012	7.2	١°.		1			"	"	340		
1863	V 832		= 59	-F-1	CTG			١.	+0.0019	40 001	8.7	6	8.720	7			AO	6	71239	l v	1
1864	V 836	CYG					22.51	15.			9.1	6	0.720	'			AO	6	87421	v	
1865	V 909	CYG					01.26		+0.0029			0		l.			M3111	1	48789	v	1
1866	V 973	CYG					42.40		-0.0060		6.26	6	•				OA	6	69584	ľ	
1867	V1042	CYG					48-80		-0.0000		8 • 2	1					MB	6	70566	l v	
1868	V1056	CYG					55-19		+0.0001		8.7	6		1		1		6	70812	Ιŭ	
1869	V1058	CYG	21 0	0 13.	195	+34 34	41.25			-0.012	8.6	6				j .	MB MA	•	50419	l v	ı
1870	V1059	CYG					31.86		+0.0045		8.4	6		1		1	F8	6	33149	v	1
1871	V1061	CYG					47.79		+0.0021		9.0	6					4 7 =	6	50770	ľ	1
1872	V1070	CYG					06.11		-0.0005		7.3	6		1			MB	6	68445	Ιř	1
1873	V1125	CYG					35.97		+0.0003		8 • 2	6		1		1	MB	6		۱v	1
1874	V1143	CYG					21.62		+0.0042		5.82			1			DF4	1	31850 48854	ľ	1
1875	V1154	CYG					04.94		+0.0007		8.8	6		 _		l	I AND		48604	v	
1876	V1264	CYG					06.00		+0.0019		6.58	7	6.53	7		1.	AOP	6	87612	v	
1877	V1276	CYG					41.39		+0.0045		6.39	7		١_			FO	7	71203	DV	1
1878	V1334	CYG					31.85		+0.0007		5.75	1	6.22	7		1	F2	'	51204	Ινν	-
1879	V1339	CYG					13.93			-0.009	6.47		1	١.,		1.	M4			DV	1
1880	V1351	CYG					40.10		+0.0009		5.35		6.92	17			GM5	١ ـ	31906	۱۷۷	
1881	V1357	CYG					54.51		-0.0016		8.6	6	9.40	7			BOIBEV	7	69181	ľ	
1882	V1362	CYG					01.10		+0.0001		8 2	6	1	1_		1	B2	6	69334	۱v	1.
1883	V1372	CYG					24.79		-0.0048		7.12	4	7.09	7			A4P	7	32379	١v	ı
1884	V1395	CYG					37.73			-0.003	9.0	6	10.65	7		1	MA	6	50158	l v	
1885	V1425	CYG					7 36 - 55			+0.005	7.6	5		12		-	88	6	33196	ľ	ı
1886	V1427	CYG					L 14.89			+0.005	8.9	6	9.52	7	9.18	7	BSEG	7	51076 49941	DV2	
1887	50 ALP	CYG					03.11			+0.005	1.250				1.110	11	AZIA				
1888	6 BET- 1	CYG					12.44			-0.002	3.080				4.830	11	K5112+B?		873n1	D	1
1889	6 BET- 2	CYG					32.68			+0.002	5.11				4.69		BeV	1	87302	DV2	ı
1890	37 GAM	CYG	20 2	0 25.	927	+40 0	5 44.57	1		+0.002	2.230				3.440		FBIB	1	49528		1
1891	18 DEL	CYG	19 4	3 24.	671	+45 0	28.23	C		+0.049	2.870				2.750		B9.5111	1	48796	DV3	
1892	53 EPS	CYG	20 4	4 11.	168	+33 4	5 55 14			+0.329	2.460		3,490		4.360		KOIII		70474	ם	-
1893	64 ZET	CYG	21 1	0 48.	357	+30 0	1 15.51			-0.052	3.200		4.190		4.950		GBII		71070	0.12	
1894	21 ETA	CYG	19 5	4 25.	726	+34 5	5 58 23			-0.026	3.930		4.960		5.840		KOIII		69116	DA5	1
1895	13 THE	CYG	19 3	5 05.	974	+50 0	5 16 - 11	. 1		+0.256	4.47		4.86	2	4.84	2	F4V	1	31815	D	
1896	10 IOT	CYG	19 2	8 26.	674	+51 3	7 20 98	1	+0.0019	+0.130	3.790				4.040		A5V	1	31702	1	
1897	1 KAP	CYG	19 1	5 56.	786	+53 1	5 31 87	1	+0.0061	+0.125	3.760		4.730	11	5.470		KOIII	1	31537	1_	1
1898	54 LAM	CYG	20 4	5 27.	531	+36 1	8 21.94	-	+0.0005	-0.003	4.54		4.43	2	3.93	2	B5V	1	70505	D	1
1899	78 MU - 1	CYG	21 4	1 54 .	246	+28 3	0 58 01		+0.0220	-0.238	4.785				5.235		F6V		89940	D	ı
1900	78 MU - 2	CYG	21 4	1 54	183	+28 3	57.84	1	+0.0174	-0.215	6.136	12	6.626	2	6,636	2	DF3		89939	ם	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

IUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P		RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N		U N	SPECTRAL CLASS	5 N	SAO CAT-NO.	STAR PROP.	
1851	V 478 CYG	20 17 48.267	+38 10 38+88	٦	-0.0018	-0.034	8.7	6					В	6	69836	V ·	
1852	V 480 CYG	19 50 33.743	+34 28 51.02		-0.0032	-0.018	9.1	6							69006	٧	1
1853	V 485 CYG		+33 47 19.39		+0.0020	+0.050	8.6	6					MC	6	69264	٧	1
1854	V 539 CYG		+44 57 22.15		+0.0017		8.7	6					MB	6	51156	ν	ı
1855	V 548 CYG		+54 39 50 79		-0.0004		8.5	6					AO	- 6	32137	V	1
1856	V 568 CYG		+35 16 33.76		-0.0018		6.50		100	1.5			B2VE		70406	V	1
1857	V 680 CYG		+53 34 01.56	- 4	+0.0017		9.6	6					B8	-6	33841	V	
1858		= OMI-1 CYG				- T	[7.4		1
1859	V 697 CYG		+52 39 28-61		-0.0022	+0.013	8.8	6		1			M2	6	32028	l v	1
1860	V 788 CYG		+31 41 27.10		-0.0002	_	9.3	6							70051	l v	1
			+47 40 36.27		-0.0013		6.16	"					BO.5IIIP		48940	v	-
1861	V 819 CYG		+54 19 20.37		-0.0013		9.2	6				Ì	B8	6	32748	l v	1
1862	V 828 CYG				-0.0011	-0.012	''້	"		1					32.40		ı
1863					+0.0019	+0.001	8.7	6	8.720	-			An	6	71239	V	ı
1864	V 836 CYG		+35 31 22.51	.			9.1	6	0.720	۱′		l	AO	6	87421	ľ	-
1865	V 909 CYG		+28 10 01 • 26		+0.0029			0		1			MSIII	. 6	48789	ľ v	Į
1866	V 973 CYG		+40 35 42 40		-0.0060		6.26			1			OA	6	69584	ν	- 1
1867	V1042 CYG		+36 02 48 80		-0.0000		8.2	6		1					70566	ľ v	
1868	V1056 CYG		+36 52 55 • 19		+0.0001		8.7	6				1	MB	6	70812	ľv	
1869	V1058 CYG		+34 34 41.25		+0.0009		8.6	6					MB	5	50419	l v	1
1870	V1059 CYG		+42 14 31.86		+0.0045		8.4	6				1	MA	6		l v	
1871	V1061 CYG	21 05 45.237	+51 50 47.79	. 1	+0.0021		9.0	6				ŀ	F8	6	33149	V	
1872	V1070 CYG		+40 43 06 11		-0.0005		7.3	6			1	l	MB	6.	50770	1	1
1873	V1125 CYG		+31 45 35.97		+0.0003		8.2	6			15 5	l	MB	6	68445	V	-
1874	V1143 CYG		+54 51 21 62		+0.0042		5.82	_		1			DF4		31850	V	ļ
1875	V1154 CYG		+43 00 04.94		+0.0007		8+8	6		١.,			400		48854 48604	V	i
1876	V1264 CYG		+43 50 06 00		+0.0019		6 • 58	7	6.53	7		ŀ	AOP	6		V	ı
1877	V1276 CYG		+29 12 41.39		+0.0045		6.39	7	0	١_			F0	_	87612		1
1878	V1334 CYG		+38 01 31.85		+0.0007		5.75		6.22	7		ĺ	F2	7	71203	DV .	
1879	V1339 CYG		+45 32 13.93		+0.0003		6.47			_			M4		51204	V	
1880	V1351 CYG		+55 20 40 10		+0.0009		5.35		6.92	7			GM5	l _ :	31906	עם	
1881	V1357 CYG		+35 03 54.51		-0.0016		8.6	6	9.40	7			BOIBEV	7	69181	V	
1882	V1362 CYG		+36 17 01.10		+0.0001		8.2	6		1_		l	B2	6	69334	V	
1883	V1372 CYG		+53 30 24 - 79		-0.0048		7.12	4	7.09	7	1	l	A4P	7	32379	l V	
1884	V1395 CYG		+46 34 37.73		-0.0021		9•0	6	10.65	7		ĺ	MA	6	50158	l V	
1885	V1425 CYG		+55 07 36.55	- 1	-0.0008		7.6	5		_		l_	B8	6	33196	V	
1886	V1427 CYG		+47 41 14.89		-0.0011		8.9	6	9.52	17	9.18	17	B3E0	7	51076	V	
1887	50 ALP CYG		+45 06 03.11		+0.0001		1.250		1.340		1.110		AZIA	ł	49941	DA3	
1888	6 BET- 1 CYG		+27 51 12+44		+0.0001		3.080		4.210		4.830		K5117+B?	1	87301	D	1
1889	6 BET- 2 CYG		+27 51 32.68		8000.0-		5.11	2	5.01	2	4.69		B8V		87302	D	
1890	37 GAM CYG		+40 05 44.57		+0.0001		2,230		2.900		3.440		FBIB	1	49528	DV?	
1891	18 DEL CYG		+45 00 28 23 0	C.	+0.0046		2.870		2.850		2.750		B9.5III	1	48796	DV?	
1892	53 EPS CYG		+33 46 55 14		+0.0285		2.460		3.490		4.360		KOIII		70474	D	
1893	64 ZET CYG		+30 01 15.51		-0.0001		3.200		4.190		4.950		GBII	1	71070	200	
1894	21 ETA CYG		+34 56 58 23		-0.0027		3.930		4.960		5.840		KOIII		69116	DV?	-
1895	13 THE CYG		+50 06 16 11		-0.0025		4 - 47	15	4.86	2	4.84		F4V		31815	D	-
1896	10 IOT CYG	19 28 26.674	+51 37 20.98		+0.0019	+0.130	3.790		3.930		4.040		A5V		31702	1	1
1897	1 KAP CYG	19 15 56,786	+53 16 31 87		+0.0061	+0.125	3.760		4.730		5.470		KOIII]	31537		
1898	54 LAM CYG		+36 18 21.94		+0.0005	-0.003	4 - 54	2	4.43	2	3.93		B5V		70505	D	1
1899	78 MU - 1 CYG		+28 30 58+01		+0.0220	-0.238	4.785		5.225	2	5,235	2	F6V		89940	D	١
1900	78 MU - 2 CYG				+0.0174		6.136		6.626	12	6.636		DF3	l	89939	l D	- 1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR Designation	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N		B N		U N	SPECTRAL CLASS	S N	SAO CAT-NO.	STAR PROP.	1
	58 NU CYG	20 55 18-418	+40 58 25+85	+0.0007	-0.012	3.940	1	3.960	1	3,960	1	AOV		50274		
1901			+43 43 39.32	+0.0005		3.700	1	5.350	1	7.150	1	K5IB	- 1	50424	٧2	1
1902		20 12 03.343	+46 35 19.87	+0.0000		3.800	1	5.080	1	5.500	1	CK1P		49337	D۷	1
1903		20 12 05.543	+47 33 35.68	-0.0003		3.980	1	5.500	1	6.540	1	KO+A3		49385	אני	1
1904	32 OMI- 2 CYG	20 13 33 467	+50 57 39.10	+0.0001		4.67		4.55	2	3.86	2	BSIV		33665	. .	1
1905	80 PI - 1 CYG	21 40 18.952	+49 04 39.35	+0.0002		4.24	2		2		2	BSIII		51293		1
1906	81 PI - 5 CAR	21 44 56.560	+45 22 12.30	-0.0025		4.020		4.910		5.470		GSIII		51035		1
1907	73 RHO CYG	21 32 03.020	+39 11 03.50	-0.0002			2		2		2	B9IAB		71165	٧?	1
1908	67 SIG CYG	21 15 20.951	+37 49 52 27	+0.0134		3.730		4.130		4.160	1	FOIV		71121	DV	1
1909	65 TAU CYG	21 12 47.559	+34 41 09.86	+0.0009		4.42	2		2	3.50	2	B2VE	l	71173	DAS.	
1910	66 UPS CYG	21 15 51.555	+30 02 13.10	+0.0000		4.70	2	5.65	2	6.44	2	GSIII-IV	1000	58637	ŀ	1
1911	12 PHI CYG	19 37 24 013	+32 47 11.78	-0.0024		4 • 23	2	6.05	2	7.01	2	S7-1E	1	68943	V	1.
1912	CHI CYG	19 48 38 484	+52 18 19.76	-0.0045		4.92	2		2		2	V-VIEA		32114	D.	1
1913	24 PSI CYG	19 54 20 175	+48 46 57.96	+0.0009		4.95	2		2	4.23	2	B2V		49712	D -	
1914	45 OME- 1 CYG	20 28 30 540	+49 03 02.97		-0.026	5.42	-					GM2		49741	٧?	1
1915	46 OME- 2 CYG	20 29 46.145	110 43 10 35		+0.006	5.92	1	5.930				AOPE		106172	D	ŀ
1916	1 DEL	20 27 54.268	+10 43 38 35		+0.005	6.01			1	5 5 S	ŀ	GK4		106384	٧?	
1917	10 DEL	20 38 55 689	+14 24 14 16	+0.0005		5.58	2	5.56	2	5.47	2	A1		126222	ייי פעם	
1918	13 DEL		+05 49 24 48	+0.0015		6.33	2	6.35	2	6.33	2	A2		126265		1
1919	14 DEL		+07 40 37-89		+0.101	5.89	٦,	0.00	-	0.00		DF4		106536	٧?	ł
1920	15 DEL		+12 21 25.64			5.54	ŀ	5.650				A4V	l	106666	D	1
1921	16 DEL		+12 22 34.43		+0.021	1	1	3.050	1			KOIII	i i	106665		
1922	17 DEL		+13 31 46.86		-0.009	5.24						GG6	ļ.	106712	l	1
1923	18 DEL		+10 38 42.99		-0.032	5 • 84 7 • 6	4	3.5	١.			M5E	4	125610	V	1
1924	R DEL		+08 56 08.76		-0.025	8.4	4				į į	M5	7	106422	l ov	1
1925	S DEL		+16 54 27.48		+0.032	8.3	4	1	l .			M4E	4	106456	٧	ł
1926	T DEL	20 43 02.041	+16 12 58 22		+0+020	5.6	17		1		1	MSII-III	1	106458	Ιv	1
1927	U DEL	20 43 10.766	+17 54 26 44		+0.007		6				1	MB	6	125861	Ιv	1
1928	CT DEL	20 27 01.824	+09 43 48.97		-0.015	7.5	6					MA	6	125953	v	ŀ
1929	CZ DEL	20 31 12.721	+09 20 42.38		+0.010	8.1	0 6		ı		1	1714	"	106356	l v	
1930	DM DEL	20 37 16.477	+14 15 05•74		-0.028	8.2	l o		ı		1	GM6	١.	106329	v	1
1931	EU DEL	20 35 37,753	+18 05 30 28		+0.101	6.27	6		1		ŀ	MA	6	106453	v.	1
1932	KP DEL	20 42 52.997	+18 06 37 87		+0.018	8.4			1			MC	6	106153	l v	
1933	RS DEL		+16 06 21.71		-0.007	8.1	6		1		1	F8	6	126272	l v	
1934	TX DEL		+03 27 54 83		-0.002	8.9	6	7 -10	١.,	7 500	١.	B 9 V	٦	106357	DV2	-
1935	9 ALP DEL		+15 44 04.30	+0.0045	-0.000	3.770		3.710		3.500		FSIV		106316	D	-
1936	6 BET DEL		+14 25 12.31 C		-0.031	3.630		4.070		4.150		F7V		106475	l b	-
1937	12 GAM- 1 DEL	20 44 19.473	1 +15 56 34.71	-0.0022	-0.188	5.182		5.684		6.542		KiIV	1	106476		-
1938	12 GAM- 2 DEL	20 44 20.236	+15 56 34 82		-0.195	4.312		5,364		5.672		VIIA]	106425	ľv	
1939	11 DEL DEL	20 41 07.413	5 +14 53 38 • 69		-0.041	4.44	2	4.76	2	4.86	2	Beili		106230	V?	
1940	2 EPS DEL	20 30 49.400	0 +11 07 55 83		7 -0.018	4.040				3.440			i ·	106274	''	
1941	4 ZET DEL	20 32 58.19	3 +14 30 02.23		1 +0.015	4 • 69	2		2	4.91	2	A3V		106248	V?	
1942	3 ETA DEL		3 +12 51 17 • 16		1 +0.029	5.22	1	5.270	-	1		A2V	ĺ	106342	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
1943	8 THE DEL		7 +13 08 18 22		-0.001	5.82	1	1			1	K3IB			1	ţ
1944	5 IOT DEL	20 35 25.55	5 +11 12 07•25	+0.0020	-0.004	4.42		4.460		1 :	1_	A2V		106322	D	-
1945	7 KAP DEL		5 +09 54 31.97		+0.021	5.02	2		2		2	G5IV	į		U	
1946	G DOR	05 32 43.08	1 -64 15 37.61	+0.005	-0.011	5.34	2		2		2	GG7	1	249309	1 nv	-
1947	R DOR		5 -62 10 31.78	-0.009	1 -0.083	4.50			1	7.500	1	GM7		249066	VDV V	
	WW DOR	1 ~	2 -50 42 41.98	-0.001	+0.004	8 • 5	6		1		1	MA	6	233439		1
1948	WX DOR		6 -53 07 57.96		-0.021	9.0	6	1. :	1			MB	6	233449	V	-
1949	1 WA DOL	05 07 10.35			0 -0.040	5.24	1	6.86	7	8.70	17	B2.5	1 7	249198	l v	- 1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR Designation	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	1	DEC PM	VISUAL MAG.	V	BLUE MAG.	B	MAG.	U N	SPECTRAL CLASS	S N	SAN CAT.NO.	STAR PROP.	L
	ALP DOR	04 32 54.798	-55 n8 51.77	+0.0061	+0.001	3.270	1	3.170	1	2.820	1	AOSI		233564	י כ	
1951	· · · · · · · · · · · · · · · · · · ·	ne 32 11 331	-62 31 20.19		+0.007	3.450	1	4.100	1	4.520	1	FBIA		249311	٧	
1952	BET DOR	05 33 11 03 867	-51 36 42.99		+0.189	4 • 25	2	4.55	2	4.58	2	F5V		233457	· V	1
1953	GAM DOR	04 14 454001	-65 45 15.24		+0.007	4 - 35	2	4.56	2	4.68	2	AGIV		249346		1
1954	DEL DOR	05 44 40.560	-66 54 49.44		+0.014	5.11	2	4.97	2	4.48	2	B 5	1	249368	V?	1
1955	EPS DOR	05 04 39 031	-57 32 25.76	-0-0043	+0.116	4.72	2	5.24	2	5.20	2	F8V		233822		1
1956	ZET DOR		-66 01 57·36		+0.025	5.71	2	5.68	2	5.61	2	B9	ì	249448	ł	١
1957	ETA- 1 DOR	06 06 03.072	-65 34 39.16		+0.113	5.01	2	6.62	2	8.47	2	GM3	1	249469	٧?	١
1958	ETA= 2 DOR	06 11 00 401	-67 14 29.96		+0.034	4.82	2	6.11	2			KZIII	ı	249225		ı
1959	THE DOR	05 13 47 370	E0 19 06 E1		+0.041	5.35	-	-				A3		233664		١
1960	KAP DOR	04 43 33.000	-59 49 26 51		+0.027	5.14	2	6.14	2			G5	1	233981		١
1961	LAM DOR	05 25 35 249	-58 57 15 52		+0.019	5.06	2	4.98	2	4.77	2	BBV	1	249461		١
1962	NU DOR	06 09 03.543	-68 49 58 38		+0.026	5.56	2	7.07	2	8.89	2	K5		249532		1
1963	PI - 1 DOR	06 23 06 711	-69 57 24.43		5 +0 • 199	5.38	2	6.35	2	7.02	2	GG5	1	249550		1
1964	PI - 2 DOR	06 25 54+363	-69 39 42.97		-0.130	5.13	-		- T			KOIII		15567		١
1965	2 DRA	11 33 08.295	+69 36 04 • 56		3 +0.034	5.34	1		1			KSIII	1	15606	i i	ı
1966	2 DRA DRA	11 39 42.090	+67 01 18-18		B -0.003	5.07	l i		H		1	GK2	1	7600		1
1967	6 DRA	12 32 37.661	+70 17 49.65		2 -0.007	5.46	LI				1	GK5		15902	[1
1968	7 DRA	12 45 32.195	+67 03 46.82		-0.034	5.24	2	5.52	2	5.54	2	A5N	1	15941		٠
1969	8 DRA	12 53 29 454	+65 42 33 68	-0.001	-0.016	5.32	Ž	6.61	2	7.90	2	KZIII	1	15960	ł	1
1970	9 DRA	12 58 02.053	+66 51 59.88			5.65	-	0.01	-	'•'	-	AO	ļ	30012	D	١
1971	16 DRA	16 35 00.278	+52 59 59.51		7 +0.031	5.202					1	AO+AO	1	30013	ŋ	Į
1972	17 DRA	16 35 02.648	+53 01 27.11		6 +0.031	6.37	1				1	FO	1	17285	DV?	١
1973	20 DRA	16 56 10.002	+65 06 53 89		2 -0.510	5.23	2	5.84	2	5.94	2	GIV	1.	17546	D	H
1974	26 DRA	17 34 28 238	+61 54 45 41 C			7.06	4	3.0	-	3.	1-	K2	4	8842	j	١
1975	29 DRA	17 34 03.293	+74 15 33 08		6 +0.039	5.11			1		1	A2		30591	1	-
1976	30 DRA	17 47 52.511	+50 47 31 • 58			5.46			l		1	F2	1	8961		- 1
1977	34 DRA	17 56 02.907	+72 00 37.92		2 +0.003	5.09						F61V-V	1	8939		١
1978	35 DRA	17 51 40.964	+76 58 15.03		5 +0.246	1				1	1	F5V	1.	17828		1
1979	36 DRA	18 13 36.422	+64 22 48.39		6 +0.032	5.97			1			GK1		17837	1	- [
1980	37 DRA	18 15 34.459	+68 44 16 -53		3 -0.059		١,,		1		1	AO	4	17847	1	ı
1981	38 DRA	18 17 16.190	+68 43 19.27		2 -0.089	6.72	2	6.55	2	6.54	2	DF5	1 '	8994	DVS	- 1
1982	40 DRA	18 03 47.449	+79 59 47-77		4 +0 • 127				2		12	DF6		8996	DV?	
1983	41 DRA	18 03 53.450	+79 59 59 55		5 +0.120	5 • 68	2 2	6.01	2		12	KZIII	1	17888	1	
1984	42 DRA	18 25 50.426	+65 31 56 82		6 -0.026	4.82	1 -	0.01	1-	1112	1	GK3	- 1	31284	1	
1985	48 DRA	18 55 54.222	+57 44 52.65		9 -0.066	7.62	1		1		1	663	1	31323		
1986	49 DRA	18 59 43.97	7 +55 35 09.93		5 -0.005	5.36	1	1	1		1	Ä1	1	9250		1
1987	50 DRA	18 47 59.71	5 +75 22 33.84		2 +0.076	5.32	1		1			AO		31371	1	
1988	51 DRA		3 +53 19 09.26		9 +0.025	5.12			1		1	GBIII	1	31468	V?	
1989	53 DRA		9 +56 46 24 - 31		1 +0 - 047	5.12			1		1	KZIII		31497	1	
1990	54 DRA	19 13 01.63	1 +57 37 05.71		0 -0.069		1	1:	1	1	1	A2	Ī	18187		
1991	55 DRA	19 09 34.71	5 +65 53 41.42		5 +0.034	6.13 5.14	12	5.45	2	5.45	12	F2V		9341		
1992	59 DRA	19 11 01.09	6 +76 28 42.03		7 -0.121		٦	3.43	1-	3.73	1	667	1	18669		
1993	65 DRA	20 01 47 12	9 +64 29 34 34		6 +0.012	6.54 5.40	1		1			KSIII		18700	1 .	
1994	66 DRA	20 04 45.22	7 +61 50 59.76		7 +0.076	5.67				1	1	DF5	i	18751	:1	
1995	68 DRA		5 +61 55 36 • 56		0 +0.085		2	7.81	2	9.70	2	MSIII	ŀ	9606		
1996	69 DRA	20 01 02.42	3 +76 20 33.59		5 -0.056		٦٤	5.570		7.70	1-	B9		18807	1	
1997	71 DRA		0 +62 05 53.67		0 +0.029	5.62		3.5/0	'	1	1	KOTIT		3413	1	
1998	74 DR	20 32 26.02	5 +80 55 04.27		5 +0.223				1	1	1	69111		3408	1	
1999	75 DRA	20 31 28.00	5 +81 15 11.50		5 +0.018		1		1		1	A0		3458	V?	
2000	76 DRA	1 20 46 19.83	9 +82 20 52.28	+0.013	9 +0 - 026	5.67	ŀ	1	1	1	1 .	I AU	1	1 2230	1 **	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	> Z		B N	UV MAG.	U N	SPECTRAL CLASS	5 N	5A0 CAT+NO+	STAR PROP.	G N
2001	77 DRA	21 06 31.971	+77 55 26.77	+0.0062	+0.034	5•90		5.830				В9		9959		ϵ
2002	78 DRA		+72 05 26.87	-0.0100	-0.032	5.22						KIIII	l .	10131		l t
2003	79 DRA	21 52 12.433		+0.0085	+0.030	6.58	4			1.0		AO :	4	10186	l	13
2004	15 A DRA		+68 52 34 82	-0.0058	+0.034	5.01	2	4.95	2	4.84	2	B9IV		17107		
2005	39 -B DRA		+58 46 16.50	-0.0057	+0.061	4.99	2	5.07	2	5.12	2	A1V	1	30949	י ס	
2006	46 -C DRA		+55 29 17.62	-0.0009	+0.024	5.06						AOSI		31119	٧?	ı
2007	45 -D DRA		+57 00 24 61	-0.0014	-0.004	4 • 80	2	5,41	2	5.85	2	F7IB	1	31039	I.	1
2008	64 -E DRA		+64 40 50 -55	+0.0007	-0.010	5 • 23			300			GM1	1	18658	1	
2009	27 -F DRA		+68 10 01.19	-0.0031	+0+134	5.05	2	6.13	2	7.05	2	KOIII	1	17526		
2010	18 -G DRA		+64 41 00.90	-0.0006	-0.017	4 • 83						K1P	1	17188		
2011	19 -H DRA	16 55 44.806	+65 12 39-19	+0.0371	+0.046	4.90	2		2		2	F6V	1	17281	٧?٠	1
2012	10 -I DRA	13 49 58.224	+64 58 11.15	-0.0006	-0.006	4.66	2	6.23	2	8.12	2	GM3	ł	16199	יאס.	1.
2013	R DRA	16 32 31.281	+66 51 28.55	-0.0060	-0.046	6.4	4		1 :			M6E	4	17137	V	1.
2014	AC DRA	20 19 53.155	+68 43 13-55	+0.0030	+0.039	5.99			l :		1	GM5	1	18817	V	1
2015	73 AF DRA	20 32 11.343	+74 47 01 07	+0.0008	-0.012	5.19		5.260	ŀ	1		AP	1	9802	٧.	
2016	AG DRA	16 01 23.225	+66 56 24 86	-0.0040	-0.041	9.4	6	1					1	16931	V.	
2017	AH DRA	16 47 23.997	+57 53 59.21	-0.0017	-0.012	7.5	6		1		İ	M5	6	30107	٧	
2018	AI DRA	16 55 08.858	+52 46 31.71	+0.0007	-0.007	7.1	6	·		1.0	ŀ	A0	6	30164	V	
2019	AT DRA	16 16 24.952	+59 52 32.55	+0.0001	+0.023	5.51			· -			GM4		29874	V .	Ţ
2020	AZ DRA	16 41 30.887	+72 45 55.81	+0.0010	+0.005	6.9	6		. :			MO	6	8598	V	П
2021	BS DRA	19 57 12.641	+73 28 48 10	-0.0000	-0.012	8.8	6		1			F5	6	9579	V	1
2022	BU DRA	14 57 17.945	+56 57 02.16	-0.0013	-0.020	9.1	6					F5	- 6	29364	V .	
2023	BV DRA		+62 02 32 93	-0.0245	+0.094	7.3	6					GO	6	16636	עם	1
2024	BW DRA	15 10 50.377	+62 02 48 55	-0.0247	+0.088	7.9	6					G0	6	16635	DV.	İ
2025	BY DRA	18 32 44.726	+51 41 00 • 56	+0.0197	-0.311		6					M1	6	31048	٧	
2026	CL DRA	15 56 36.000	+54 53 25.23	-0.0182		4.95	2	5.21	2	5.25	2	FOIV	1	29727	V	
2027	4 CQ DRA	12 27 55.835	+69 28 40 78	-0.0117	-0.055	5.07		6.68	7			GM4	1	15816	V	
2028	RY DRA	12 54 28.102	+66 15 51.97	-0.0011	-0.034		4		l.			NP	4	15945	ν.	
2029	SU DRA	11 35 06.832	+67 36 26.96	-0.0072	-0.097	9•4	6	9.520	7		ı	A2	6	15575	. V.	
2030	SX DRA	18 03 48.640		-0.0004			6			1	1	A7	6	30734	V	
2031	SZ DRA	19 09 51.998	+66 01 06.97	-0.0015	+0.015		6				i	MB	6	18194	V.	1
2032	TT DRA	17 12 02.692	+57 55 11-17	-0.0014	+0.009		6		l		Į	M5	6	30298	V	
2033	TV DRA	17 08 06.380	+64 22 52+50	+0.0016	+0.005		6				1	MCP	6	17364	V	1
2034	TW DRA		+64 04 22.49	+0.0009	+0.020		5		1		1	A5+K0III	7	16767	DV	
2035	TX DRA	16 34 17.446	60 34 09 68	-0.0076	+0.018		4		٠,		l	M5	- 4	17155	V	1
2036	TZ DRA		47 32 32 47	-0.0014	+0.029		6	1		1	i i		1: -	47430	V	П
2037	UU DRA		₩75 05 22·04	+0.0033			6				ļ .	MC	. 6	9757	V	
2038	UV DRA	14 42 33.548	+56 19 02.96	-0.0032	+0.006	8.8	6					M2	6	29259	V	
2039	UW DRA	17 56 31.970	+54 40 09.52	+0.0011	-0.023	7.0	4		1	1	1	K5	4	30659	V	ł
2040	UX DRA	19 23 22.408	+76 27 41.68	-0.0036		5.8	4	8.670	7			NB	4	9404	٧	1
2041	VW DRA		+60 43 23.77	-0.0066		6.3			1.			669	1	17414	V	1
2042	VY DRA		+64 49 19.18	+0.0011		7.30	4					K2	4	16806	V	1.
2043	WW DRA		+60 47 49.66	+0.0009		9•3	4	10.270	17			G5	4	17176	עם	
2044	XZ DRA		+64 46 33 • 10	+0.0041		9.4	6	1	1.			l	I	18183		
2045	11 ALP DRA		+64 36 51.57	-0.0090		3,650		3.600		3,520		AOIII	1	16273	_V?	-
2046	23 BET DRA		+52 20 15.65	-0.0024				3.780		4.410		GZII		30429	D	1
2047	33 GAM DRA		+51 29 38 52	-0.0014				3.740		5.620		K5III	1 .	30653	D	1
2048	57 DEL DRA		+67 34 25.02	+0.0158		3.070		4.070		4.850		G9III		18222	l	
2049	63 EPS DRA		+70 08 26.54	+0.0154		3.820		4.710		5.230		GSIII	1	9540	DA5	
2050	22 ZET DRA	17 08 38.146	+65 46 33.99	-0.0040	+0.021	3.170	1	3.060	1	2.630	11	Belli		17365		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N		B N	•	N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	1
2051	14 ETA DRA	16 23 18.476	+61 37 37 10	-0.0033	+0.059	2.740	1	3.650	1	4.350	1	GBIII		17074	DV?	Τ
2052	13 THE DRA		+58 41 53.68	-0.0417		4.030		4.550		4.650	3	F8IV-V		29765		Ш
2053	12 IOT DRA		+59 08 26 16	-0.0020		3.290		4.450		5.680		K2III		29520		1
2054	5 KAP DRA		+70 03 48.95	-0.0116		3.890		3.750		3.180		B7P		7593	V?	1
2055	1 LAM DRA		+69 36 26 09	-0.0074		3.850		5.470		7.440		MOIII		15532	V?	1
2056	21 MU DRA		+54 32 07.94	-0.0091		5.062			7		_	DF6+DF6		30239	ח	
2057	24 NU - 1 DRA		+55 13 04.07	+0.0163			2	5.14	2	5.17	2	AM	1	30447	D	1
2058	25 NU - 2 DRA		+55 12 22 81	+0.0165			2		2		2	A M	į .	30450	D.	1
2059	32 XI DRA		+56 52 47.68	+0.0106		3.750		4.930		6.140		KZII	1	30631	1.	1
2059	47 OMI DRA		+59 19 36 35	+0.0095			2		2		2	KOII-III	i	31218	D.	
2061	58 PI DRA		+65 37 05 16	+0.0017			2		2	4.67	2	AZIV		18299		1
2062	67 RHO DRA		+67 43 51 20	+0.0020			2		2	7.31	2	K3111	l	18676		
	61 SIG DRA		+69 34 34 10	+0.1098			2		2	5.86	2	KOV		18396	٧?	
2063 2064	60 TAU DRA		+73 15 47.87	-0.0330			2		2		2	K3247		9366	٧?	
2065	52 UPS DRA		+71 13 50 81	+0.0094			2		2	7.07	2	KOTII]	9283		1
2066	43 PHI DRA		+71 18 42.23 L	-0.0020			2	4.12	2		2	AOSI	1	9084	DV?	1
	44 CHI DRA		+72 42 42 14	+0.1169		3.580		4.070		4.010		F7V		9087	ם	1
2067	31 PSI- 1 DRA		+72 10 26 21	+0.0033		4.58	2	5.01	2	5.02	2	F5IV+V	1	8890	D	i
2068 2069	31 PSI- 2 DRA		+72 10 55 37	+0.0041		5.738	-	6.188	-	3,02	1	DF6		8891	l D	1
	28 OME DRA		+68 46 52 48	-0.0002			2		2	5.22	2	F5V		17576		1
2070			+05 18 11.04	+0.0010			2		2	9.26	2	GK5		126518	ŀ	1
2071	3 EQU		+05 45 34.46	-0.0062			2		2	6.54	2	FB		126535		1
2072	4 EQU		+09 50 38 44	-0.0007			2		2	6.13	2	Ai	ļ	126597	D	1.
2073	6 EQU		+07 08 29 53	+0.0026			2	7.48	2	9.45	2	GM2		126719	"	1
2074	9 EQU		+04 53 13.37	+0.0004			6	7.40	-	7.43	٦	AO	6	126399	Ιv	ı
2075	S EQU RU EQU		+07 32 58 11	-0.0002			6					MB	6	126695	v	1
2076	RV EQU	21 13 77 374	+08 47 08.08	+0.0001		8.6	6		. 1	l	1	Ko	6	126649	Ιν	1
2077			+05 02 24.35	+0.0038		3.900		4.420	1	4.720	1	F8+A3	1	126662		1
2078	8 ALP EQU 10 BET EQU		+06 35 47 14	+0.0036			2		2		2	A2		126749	D	
2079	5 GAM EQU		+09 55 44 82	+0.0040			2		2		2	FΡ		126593	Ďν	
2080			+09 48 11.96	+0.0031			2		2		2	F7V	l	126643	D	
2081	7 DEL EQU		+04 06 02.50	-0.0075			2		2		2	F5IV		126428	Ď	
2082	1 EPS EQU		+06 58 55 48	-0.0006		6.64	4	3.0	-	3.11	-	F8	и	126482	Ď	1
2083	2 LAM EQU		-24 03 41.80	+0.0069			2	5.68	2			A4	1 7	168183	-	
2084	4 ERI	H	-02 39 46.32	-0.0011			2	5.48	2	5.29	2	B9	1	130228	V?	
2085	5 ERI		-23 48 22 53	+0.0041		5.84	2		2	3.27	7	GK2	1	168191		Т
2086	6 ERI	= ALP FOR	F25 46 22.55	10.0041	10000	3.04	-	' • 1	-		1	\"."E	1	-07-	1	1
2087			-09 20 18-49	-0.0008	+0.050	6.14	2	6.54	2	6,50	2	DF4	1	130395		
2088	14 ERI		-22 41 34.59	+0.0010		4.88	2	5.78	2	0,-0	Ε.	GG6	ì	168452	0	
2089	15 ERI		1 -17 37 53.15	+0.0014		5.23	2		2		l	AOSI	į .	149063		1
2090	20 ERI			-0.0013		5.96	2	6.88	2	7.54	2	DK1	1	130634	i	1.
2091	21 ERI		0 -05 47 06.61 3 -05 22 15.47		-0.006	5.53	2	5.38	2		2	B8	1	130652		
2092	22 ERI				-0.003	5.25	2	5.15	2		2	B7IV	1	130698		1
2093	24 ERI		3 -01 19 10.07 7 -00 27 09.50		+0.003	5.55	2		2		2	KAIII		130704		
2094	25 ERI		-05 30 33.52		-0.009		2		2		2	B8		130789	D	1
2095	30 ERI		01 41 18.14	+0.0013		5.28	2		2		2	B5V		130878		ı
2096	35 ERI				-0.012	5.44	2		2		2	GG6		131001		1
2097	37 ERI		07 03 11.61			5.55	2		2		2	B8	1	111845	I	1
2098	44 ERI		+01 16 17.25	+0.0009		4.91	2		2		2	K311-111		131270		۱
2099	45 ERI		00 08 59+17		-0.007			5.59	2		2	B9		131309	Ь	1
2100	H 46 ERI	04 31 28.395	5 - 06 50 32•55	1 -0.00004	-0.006	5.72	2	3.37	1 -	1 2 t 1 2	15	ן סס	1	131303		1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	STAR	RT. ASCEN. HR MN SEC	DECLINATION F		DEC PM	1	N A	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
NUMBER	DESIGNATION			-0.0022	+0.005	5.11	2	6.81	2	8.83	2	GM3		131315	۸s	69
2101	47 ERI	04 31 46.974	+00 53 54.65		-0.003	5.31	2	5.19	2	4.75	2	B7V	1	111928 131443	D :	1 09
2102	49 ERI	04 41 11.099	-08 53 17.64	+0.0017	-0.024	6.67			١.			GBIII F2IIIP		131442	Ď	1.
2103	55 A ERI 55 B ERI	04 41 10.619	-08 53 09.96	+0.0010	-0.012	1	2	6.63	2	6.96	2	B5	1	131451		1
2104		04 41 41.033	-08 35 43.95		-0.002	5.91	2	5.80	2	4,99	1	D G1		149888	1	1
2105	56 ERI 58 ERI	04 45 21.453	-17 01 28.54	+0.0086	+0.171	5.51	2	6.15	2		į	DF6	1	149901		
2106 2107	59 ERI	nu 46 17.395	1-16 25 00 42	-0.0002	+0.036	5.77	2	6.32	15	1		KOIII		149924	٧?	
2108	60 ERI	04 47 56.261	-16 18 09 83		+0.054	5.16					1	DG4		150060		1
2109	63 ERI	04 57 28.359	-10 20 06-42		-0.135	5.14	2	5.08	2	4.90	2	B9	1	131777	DV?	1
2110	66 ERI	05 04 17.220	-04 43 13.98		+0.009		2	5.56	2	5.51	2	F5V	1	131813	1	1
2111	68 ERI	05 06 14.847	-04 31 10.68		+0.018		2	6.04	2	7.18	2	KSIII	1	149478	ם	ļ
2112	39 A ERI	04 12 00.832	-10 22 44.97		0.162		2	5.38	2	4.82	2	B9	1	131614		
2113	62 -B ERI	04 53 56.292	-05 14 56 -71		-0.006		2	5.51	2	5.55	2	A4	1	131358	0	-
2114	51 -C ERI	04 35 04.971	-02 34 19-20		2 -0.006	5.85	2	5.72	2	5.23	2	BSIII		131132	1	l
2115	-D ERI	04 18 17.209	-07 42 38 55	10.000	+0.748	4.270	Ī	4.980		15.200	1	G5V	1	216263	DV3	7,
2116	-E ERI	03 17 55.851	-43 15 35.73		-0.010	5.338	2	5.328	12	5,288	12	AO	1	194550	DV?	7
2117	F- 1 ERI	03 46 44.672	-37 46 26.24 -37 46 19.90		-0.022	4.778		4.768	12	4.728	12	AO	-1	194551	1 200	1'
2118	-F- 2 ERI	03 46 45 045	36 21 02.40	-0.004	-0.049	4.170	1	5.120		5,800		GSIII	1	194559	ם	1
2119	-G ERI	03 47 34 89	7 -37 28 13.25		9 -0.070	4.585	1	5.78		7.095		GK2		149781	מ	
2120	-H ERI	03 40 58 757	5 -14 24 01.60		5 -0.161	3.870		4.96		5.990	1	K2III	1	232490	1 6	
2121	53 -L ERI		5 -56 26 52.43		7 +0.027	5.07	2	5.95	2		1	KOV		232501		
2122	-P ERI	1	-53 59 26.95		4 -0.086	5 • 56	1			1	1	\$660	. [232520		
2123	-Q- 1 ERI		5 -53 46 20 62	+0.015	0 +0.073	5.04	2		2	I.		A0 GG4		149988	· I v	- 1
2124	41/-		3 -16 29 50 18	+0+000	0 +0.045	5.72	2		2		١,	FOIV	İ	150064	l v	- 1
2125	R ERI		0 -12 36 35.31	+0.002	6 -0.091	4 • 78	2					A2V		215996	ם ו	- 1
2126	64 5 ERI		8 -43 06 19.75		7 -0.021				0 1	4.87	1	MAE	4		-v	
2127	T ERI	03 53 05.58	4 -24 10 40 65		0 -0.007		4		1.		-	M6	16		¥	-1
2128	v ERI	n# 02 01.57	3 -15 51 39.31		9 -0.028		6	1	2	4.37	2	Bev	١٠	130528	1	
2129 2130	17 -V ERI	n3 28 08.03	1 -05 14 43.17		6 +0.010		, 2					AIV	- 1	130805	ס	7
2131	32 -W- 1 ERI	n3 51 46.54	5 -03 ₀ 5 57•22		6 +0.010		315			5.81	9 2	GRITI	1	130806	D	7
2132	32 -W- 2 ERI	1 03 51 46.67	9 -03 n6 84•36		6 +0.005				ءَ امُ		n 1	KOIII	- 1	216405		-
2133	-Y ERI	1 03 35 17.91	1 -40 26 15.91		3 -0.026	1 -	<u>' </u>	7.02	٠١*	10.00	٦ -	MAIII		148612		1
2134	Z ERI	l no 45 32.10	4 -12 40 04.33		1 -0.036		6		- [AO	1 6		V	
2135	AS ERI	1 13 29 54.63	4 -03 28 52.48	-0.003	0 -0.033		16					M3	(- 1
2136	BM ER	04 11 06.90	1 -10 30 46.35		8 -0.025		6					MB	(- 1
2137	BR ER	03 46 20.84	1 -07 10 00 -14		1 -0.029	1 2 -	6			1	1	-A0				1
2138	BT ER	03 32 41.54	5 -39 34 41.88		4 -0.134		16				1	F2	(149215		
2139	BV ER		4 -10 40 39.04		5 +0.000		-1€	,	- 1		ľ	A3	. [•		1 .	- 1
2140	BW ER		5 -27 48 06.35 9 -44 00 38.91	1 1	3 -0.30		16	,	.		-	K5				- 1
2141	CC ER		0 -08 45 52 32		2 +0.002	9.1	16	5	-1			AO		5 130726 7 215955	· 1	- 1
2142	CD ER		2 -45 17 12.97		-0.00		16			.	-	G0		7 215955 5 215966		
2143	CO ER		4 -43 10 47.27		30 +0 -00			5 9.16	,	7 9.29	7	A2		5 195061		
2144	CS ER		4 -33 41 04-34	-0.00	17 +0.00	6 10.0	1	5	-		- [F0		6 148600		
2145			29 -13 33 00-24		37 +0 -03	B 8.4	- 1	5		.	١	G5		130242	'	
2146			8 -03 04 33-63	+0.00	10 +0 • 00'	9 6.11		2 7.88	3 1	2 9.95	2	GM1 F0		6 148743	' I	
2147			12 -17 55 56.91	. +0.00	41 -0.02			5				MA		6 194722		1
2148			2 -39 30 54.46) -U•UU	06 +0 • 02		- 10	5 0 0	. .	- 10	, ,	GM4		7 149368		
2149 2150			69 -10 25 48.2	+0.00	18 -0.00	3 7.30	T	4 8.9	١.	7 10.70	' I'	דייוט ן		<u> </u>		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

IUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N		B N	MAG.	N	SPECTRAL CLASS	. N	SAO CAT.NO.	STAR PROP.	
2151	CZ ERI	04 05 38-603	-39 37 51.87	Γ	+0.0009	+0.000	8.6	6					MA	6	194779	V	ŀ
	DD ERI		-08 13 54.52		-0.0015	-0.019	8.7	6					MC	6	130984	٧	1
2152		00 00 50 527	-20 10 48.18		-0.0001		8.4	6			!		M2	6	169201	V	ı
2153	DE ERI		-36 40 16.30		+0.0026		8.1	6			.		MA	6	194838	. V	1
2154	DF ERI			1	-0.0004		7.32	4					M5II	7	149559	V ·	1
2155	DG ERI		-16 56 55•91	1	+0.0003		7.9	6			1		М3	6	169405	V	ł
2156	DH ERI		-27 56 41.89	1	+0.0027		6.19	2	6.47	2	i	ł	FO	6	130833	V	
2157	DL ERI		-09 53 41.18	1			4.34	2	5.95	2	7,73	2	GM4		149818	DV -	1
2158	54 DM ERI		-19 45 58.40		+0.0011		8.0	6	3.73	-		-	MSIII	7	130157	l v	1
2159	RR ERI		-08 28 16 65		-0.0004					ŀ	l		F8	6	149243	l v	-
2160	RU ERI		-15 04 49.56	1	+0.0007		9.1	6	1.00	1		1	F2	6	149918	ĺ v	١
2161	RX ERI		-15 49 35 28	1	-0.0035		9.1	6	100				G0	1 6	149294	l v	П
2162	RY ERI		-17 22 16.85	1	+0.0010		9.4	6			1		A5	6	149847	v	-1
2163	RZ ERI	04 41 24.006	-10 46 29.31	1	+0.0011		8.1	6	1.5	ŀ				1 -	130773	l v	.
2164	SU ERI	03 48 54.689	-01 31 13.81	1	-0.0011		8.6	6				1	MC	6	_	ľ	
2165	SY ERI	05 07 20.877	-05 34 37.58	1	-0.0002		8.7	6		1		1	NB	6	131832	Ĭ v .	١
2166	TZ ERI	04 19 12.984	-06 08 09.35	1	-0.0009	-0.037	9•0	6		1	1 10		A5	6	131144	ľ	1
2167	UU ERI		-27 40 43.60		+0.0020	+0.016	9•0	6		1		l	M7	6	169608		-
2168	VW ERI		-21 38 09.20		+0.0053	+0.020	8.8	6		1		ĺ	K7	6	168483	V	١
2169	VX ERI		-12 31 48.47		+0.0011	+0.012	8.7	6	l i	- 11		I	M3	6	148953	V	ı
2170	YŶ ERÎ		-10 35 43.58		-0.0077	-0.122	8+4	6		1		1	G5	6	149449	l v	1
	ALP ERI		-57 29 24.93		+0.0129	-0.028	•480	1	0.320	1	-0.350	1	B5IV	1	232481	ļ.,	ı
2171			-05 08 58 54		-0.0067		2.790		2.920	1	3.020	1	ASIII		131794	V?	
2172	67 BET ERI		-13 38 58 17		+0.0039		2.940		4.540	1	6.520	1	MOIII	1 1	149283	0	
2173	34 GAM ERI		-09 55 53.05		-0.0067		3.540		4.460	11	5.130	1	KOIV	1	130686		-
2174	23 DEL ERI	03 70 32 055	-09 37 34.76		-0.0662		3.730		4.610		5.190	1	K2V	1	130564	1	ı
2175	18 EPS ERI	05 30 34.333	-09 00 15.50		-0.0006		4.80	2		12	5.12	2	AM	. 1	130387		ı
2176	13 ZET ERI	05 13 24 175	-09 05 45.89		+0.0050		3.870	1	4.990	1	5.970	1	K1III	1 .	130197	٧?	ı
2177	3 ETA ERI		-40 30 15.15		-0.0045		2 - 554		2.674		2.794		A3V	1	216113	DV?	1
2178	THE- 1 ERI				-0.0062		3.554		3.674	١ī	3.794		A2	1	216114	DV?	1
2179	THE- 2 ERI	05 20 55.216	-40 30 14.34		+0.0117		4.110		5.130		5.870		KOIII		215999	1	-
2180	IOT ERI	02 38 41.625	-40 04 06 78	'	+0.0022			2	4.11	2		2	BSIII	1	215906	1	i
2181	KAP ERI		-47 55 39 34				4.27			12		2	BZIV	1	131824	٧?	
2182	69 LAM ERI		-08 49 00 32		-0.0003		4.020		3.860		3.260		BSIV	1	131468		
2183	57 MU ERI		-03 20 41.33		+0.0007				3.710		2.830		BZIII		131346	V	
2184	48 NU ERI		-03 27 11.62		-0.0001		3.920			2	5.33	ĺ	AZV		131176	1	
2185	42 XI ERI	04 21 11.310	-03 51 34.77		-0.0036		5.17				4.530		F2III		131019	v	-
2186	38 OMI- 1 ERI		-06 57 59.74		+0.0003		4.050		4.380						131063	ס	-
2187	40 OMI- 2 ERI		. - 07 43 45•89		-0.1501		4.43	2	5.25	2	5.69	2	K1V	1	149158	ľv	- 1
2188	26 PI ERI		-12 15 25.99			+0+059	4.42	2	6.04	2	8.05	2	GM2		130243	1 *	
2189	8 RHO- 1 ERI		07 51 31.98		+0.0062		5.75	5	6.80	2	7.67	2	DG6 GG5		130254	D	
2190	9 RHO- 2 ERI		-07 52 51.43			+0.007	5.32	2	6.26	2		2		1	130269	"	
2191	10 RHO- 3 ERI		2 -07 47 43.01			+0.015	5.26	2	5.46	2	5.55	2	A4	1	194608	1	
2192	SIG ERI	03 51 44.54	7 -34 52 45.21	1.		-0.011	5.11	2	4.98	2	1	1_	B6IV	1	148584	1	
2193	1 TAU- 1 ERI	02 42 46.06	1 -18 46 59.50)		+0.042	4 • 46	2	4.94	2	4.94	2	F6V	1			
2194	2 TAU- 2 ERI		-21 12 32.91			-0.018	4.77	2	5.67	2	6.28	2	KOIII	1	168094	D	
2195	11 TAU- 3 ERI		-23 49 10 10		-0.0107	-0.051	4.090	1	4.250		4.330		A5V		168249	1	
2196	16 TAU- 4 ERI		-21 56 19.62	2		+0.036	3.700				7,130		GM3		168460	DV	
2197	19 TAU- 5 ERI	03 31 34-65	7 -21 47 57.95	5	+0.0029	-0.024	4 • 28	2		2		2	B8V	1	168634		. :
	27 TAU- 6 ERI	03 44 41-71	6 -23 23 46.59	9		-0.527	4.23	2	4.65	2	4.66	2	F3V	1	168827	1	
2198						+0.050	5.24	2	5.31	2			A2	. 1	168836		•
							4 • 65	2		2	4.04	2	85V	1	168925		٠.
2199 2200	28 TAU- 7 ERI 33 TAU- 8 ERI		3 -24 01 42.50 7 -24 45 33.23			-0.014			4.52		4.04	2			168925		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	2 <		B N	MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	
2201	36 TAU- 9 ERI	03 57 47.470	-24 09 25.12	+0.0004	+0.011	4.66	2	4.52	2	4.11	2	ASI		169017		T
2202	50 UPS- 1 ERI		-29 51 59.49	-0.0081		4.510	1	5.490	1	6.200	1	GG6		169570	7/2	Ţ
2203	52 UPS- 2 ERI		-30 39 48.98		-0.012	3.820		4.800		5.520		KOIII	ŀ	195148		ı
2204	43 UPS- 3 ERI		-34 07 54.81		+0.051	3.960		5.450		7.250		MIIII		194984	1	١
2205	41 UPS- 4 ERI		-33 55 09.65 L		-0.006	3.560		3.440		3.070		88.5V		194902	l p	1
2206	PHI ERI		-51 44 34.89		-0.022	3.565		3.445		3.055		BBV	ŀ	232696	Ī	1
2207	CHI ERI		-51 51 25.74		+0.299	3.690		4.540		5.000		GSIV		232573	D	-
2208	65 PSI ERI		-07 14 44 98		+0.008	4.81	2	4.62	2	3.87		B2V		131700		1
2209			-05 32 05.45		+0.022	4.40	2	4.63		4.81		APIV	•	131568	1	١
			-24 32 45.66		+0.004	8.2	6	1.00	-	7.01	-	F8	6	168815	י ער	1
2210			-28 34 26.07		+0.006	9.2	6				1	1 ' '	١ ،	168584	v	١
2211			-26 19 50 70		-0.032	8.6	6			·	1	М3	6	167998	v	
2212	X FOR RY FOR				+0.040	9.0	6				1	M	6	168423	v	1
2213		03 13 72.070	-24 52 33·62 -25 49 35·35		-0.004	8.0	6			1	l	M5	ء ا	168619	Ιv	1
2214	RZ FOR		-27 06 05.94		-0.026	9.2	6	9.270	7		11.0	60	6	167572	ľ	-
2215	SS FOR				-0.029	9.5	6	7.2.0	'			F5	6	167442	ľ	-1
2216	SV FOR		-24 37 19.28		+0.006	9.0	6	10.62	7	11.94	٦,	M2	6	167437	v	1
2217	TT For		-26 43 31.02		+0.644	3.850		4.360		4.410		F8IV	"	168373	DV?	- [
2218	ALP FOR		-29 10 59.42		+0.159	4.460		5.450		6.140		GGIII	1	193931	,,,,	1
2219	BET FOR		-32 36 54-11		-0.124		2	7.21		P. 140	1	G5		168081	ם	i
2220	GAM- 1 FOR		-24 45 53.61			6.14					ĺ		1	168082		١
2221	GAM- 2 FOR		-28 08 54 38		+0.032	5.39	2	5.41			١.	A1	l .	194467		1
2222	DEL FOR		-32 05 49.36		+0.017	5.000		4.840		4.240	1 -	B5 G5IV	1	168238		
2223	EPS FOR		-28 16 54 52		-0.420	5.89	2		2							١
2224	ZET FOR		-25 28 24.57		+0 • 091	5.71	2	6.11	~			A9N		168209		i
2225	ETA- 1 FOR		-35 45 29+85		-0.035	6.51						KO		193916	ם	ı
2226	ETA- 2 FOR		-36 02 59.58		+0.025	5.82					1	K0		193940	U	ı
2227	ETA- 3 FOR		-35 52 50 • 71		-0.057	5.49	ا ا	6 77	١,			GK5		193795	1	Ì
2228	IOT- 1 FOR		-30 15 42.80		+0.005	5.75	2	6.77	2	100		G5				
2229	10T- 2 FOR		-30 24 31 • 20		-0.083	5.83	2	6.31	2		į	DF6		193829		
2230	KAP FOR		-24 02 33.76		-0.056	5.20	2	5.80	2			G1V		167736		1
2231	LAM- 1 FOR		-34 52 08 82		-0.016	5 • 88	١.					GKO		193763	1	
2232	LAM- 2 FOR		-34 47 27.43		-0.266	5.79	2	6.45	2		1	DG1	1	193811	1	
2233	MU FOR		-30 57 27.38		+0.010	5.28	2	5.26	2		١.	A1V	ľ	193573	حد ا	
2234	NU FOR		-29 32 09.81		+0.010	4.690		4.520		4.010	1	AOSI	1	167532	Λ.5	
2235	PI FOR		-30 14 28 88		-0.105	5.35	2 :		2		1	GSIII	1	193455		
2236	RHO FOR		-30 19 03.33		-0.243	5.54	2	6.52	2	1		GG5	1	194535	_ V?	
2237	SIG FOR		-29 29 32 61		+0.014	5.90	2	6.02	2			A2	ľ	168820	D	
2238	TAU FOR		-28 06 19.13		+0.030	6.01	2	5.99	2			AOV		168701	l _	
2239	UPS- 1 FOR		-37 36 32.08		+0.070	7.0	4					F2	-4	193926	D	
2240	UPS- 2 FOR		-37 36 35.51		+0.099	8.5	4						1	193927	D	
2241	PHI FOR		-34 02 03.17		+0.010	5.14	2	5.24	2			AZIV		193723		
2242	CHI- 1 FOR		-36 05 42.54		-0.004	6.39	2	6.47	2		1	A2		194289	V.5	
2243	CHI- 2 FOR		-35 51 15.67		-0.009	5.71	5	7.00	2	1		K0	1	194312		
2244	CHI- 3 FOR		-36 01 31.66		-0.000	6.50	2	6.63	2		l	AO	1	194318	D	
2245	PSI FOR		-38 38 26 09		+0.044	5.92	2	6.36	2		1	DF7		193965		
2246	OME FOR		-28 27 04.49	-0.0017	-0.009	4 • 890		4.830		4,690		В9	ł	167882	D.	
2247	1 GEM	06 01 04.774	+23 16 04.51	-0.0004	-0.102	4 • 15	2	5.02	2	5.54	2	GG5		77915	D	
2248	2 GEM		+23 38 42 05	-0.0002	-0.004	6.89	4			1	1.	КО	4	77971		
2249	3 GEM		+23 07 24.41	+0.0006	-0.002	5.76	2	5.96	2	5.32	2	B2.5IB	ŀ	78050	D.	
2250	4 GFM				-0.005	6.68	4		1	1	1	В9	4	78063	1	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V	BLUE MAG.	B N	UV MAG.	U. N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	l G
2251	5 GEM	n6 08 28.241	+24 25 59.08	-0.0002	-0.055	5•90						GKO		78079		
	8 GEM		+23 59 16.91	-0.0010	-0.010	6.09	2	6.99	2	7.61	2	GSIII	1	78168		
2252	9 GEM	06 13 55.636	+23 45 34.84	+0.0001	-0.002	6.25	2	6.70	2	6.31	2	B3IAB	1	78176		1
2253		06 15 51.567	+23 37 27.97	-0.0001		6 • 59	4				Ŀ	G5	4	78210		
2254		06 16 20-128	+23 17 46-15	+0.0000		7.03	4		l i	1	1	B9	4	78225		1
2255	12 GEM 14 GEM		+21 40 28.31	-0.0007		6.65	4				1	G5	4	78355		1
2256		06 24 47.704	+20 49 18.71	-0.0027		6.55	4				1	KO	4	78395	D	1
2257			+20 31 41.13	-0.0024		6.06		6.070		100		A2V	ı	78402		1
2258		06 28 44.798	+15 56 24.67	-0.0011		6.35						A5	1	95778	l	
2259		06 20 23 414	+17 49 17.07	+0.0025		7.24	4			ł	1	F8	4	95795	D	
2260	20 A GEM 20 B GFM		+17 48 59.94	+0.0030		7.78	4				1.	F8	4	95794	D .	1
2261			+19 28 09.56	+0.0000		6.88	4				l	A0	4	95852		1
2262	22 GEM		+16 50 21.47	+0.0012		6.69	4					F5	Ľ	95889	i .	1
2263	23 GEM		+28 14 40 66		-0.010	6.39					1	G5IB	1	78636	1	
2264	25 GEM		+17 41 45.37		-0.089	5.10	i I	5.160	•		:	A2V	- [96015	1	1
2265	26 GEM	06 11 35 356	+29 01 24-11		-0.027	5.48	ĺĺ	·	1		1	GK4		78692	٧?	
2266	28 GEM	06 41 33.33	+13 16 48.38		-0.060	4.49	2	5.65	2	6.82	2	KIIII	1	96051	D	1
2267	30 GEM		+12 44 50.38		-0.000	6.39	-				1	FO	1	96084	V?	1
2268	32 GEM		+16 15 40.93		-0.012	5.73	1	5.590	1			BSIII	-	96161		1
2269	33 GEM	06 46 31 130	1113 08 20 57		-0.004	5.74			1 .			GK3	1	96179		1
2270	35 GEM	06 47 36 143	3 +13 28 20.57 7 +25 26 24.14		+0.020	5.67				1 1 1 1	1	DGO	1	78866	l .	1
2271	37 GEM				+0.091	6.02			1			DF4	1	78929		1
2272	39 GEM	06 55 42.526	2 +26 08 55.02		-0.009	6.28		6.140	j i	1		BBIII	1	78947		1
2273	40 GEM	06 56 22 730	7 +25 59 02.04 7 +16 08 58.89		-0.008	5.62			l			CK4		96363	1	1
2274	41 GEM				-0.015	5.87		5.840	1			B9.5V	1	79042		1
2275	44 GEM		5 +22 42 50.54 7 +16 00 44.16		-0.102	5.41						668	1	96535	D ·	1
2276	45 GEM				-0.040	5.58	1	5.700	1			A4V	1	79141	1	
2277	47 GEM		8 +26 56 25 81		-0.050	5.86	2	6.23	2		1	GF4	1	79162	1	1
2278	48 GEM		1 +24 12 50.05 5 +25 50 01.82		-0.013	6.89	4		17		1	AO	4	79172	1	1
2279	49 GEM	07 09 44.900	1 20 50 01.02		-0.094	5.82	2	7.38	2	9.21	2	MIIII		79199	DV2	1
2280	52 GEM		8 +24 58 24 86		-0.001	5.70	[]		1		ļ .	GM1	1	79221	٧?	
2281	53 GEM		8 +27 59 10 63		-0.030	5.06						GMO	1	79328	ם	
2282	56 GEM	07 18 39.87	9 +20 32 22.78 5 +23 02 35.89		-0.038	5.96		5.950	1		1	A1V	1	79354		
2283	58 GEM	07 20 21.90	9 +27 44 10 82		+0.015	5.64	l	***	1	1.	1	GF0?	1	79366		1
2284	59 GEM		7 +20 21 32.39		-0.022	5.80	-				1	A6N		79391	1	
2285	61 GEM	1	4 +21 32 56.83		-0.124	5.18	1		1			F5IV-V	1	79403	ס	1
2286	63 GEM		7 +15 44 52.79		-0.007	6.67	4		1			KO	4	97012	[П
2287	67 GEM		8 +15 56 08.79		-0.015	5.11	1	5.160		1	1	A1V	1	97016		1
2288	68 GEM				+0.027	5.49	İ		1	1	1	G G 5	1	60243	D	1
2289	70 GEM		7 +35 09 44 62		+0.005	6.26	1	6.260	ol i	1	1	AOV		79665	1	1
2290	79 GEM		3 +20 26 16.20		+0.005	6.13			1	1	1	DF3+A	1	79704	D	-
2291	82 GEM		7 +23 15 59 26		-0.009	7.12	4		1			ко	4	79768		ı
2292	84 GEM		5 +22 27 52.83		-0.043	5.31	1	5.270	1	1		B9.5V		79799	1	1
2293	85 GEM		4 +20 01 03 24		-0.025	4.97	1				1	GBIII	1	79352	1	
2294	57 A GEM	The second secon	0 +25 08 54.35		0.058	4.99	1	5.100	ol -			A6V		79427		١
2295	64 -B- 1 GEM		6 +28 13 22.79				1	****				KZIII		79434	0	1
2296	65 -B- 2 GEN	07 26 42 24	9 +28 01 15.81		5 -0.026	5.24	1					KSIII	1	79650		- [
2297	76 -C 6EN	07 41 04.02	2 +25 54 17.99		4 -0.01B		1	5.160	٦I.		1	A2V	1	78805	D	-
2298	36 -D GEN		1 +21 49 19.14		7 -0.034	4.65	2		ĺz	5.03	2	FOVP	1	96265	DV?	-
2299	38 -E GEN		6 +13 14 34 • 72		3 -0.084		1-	1,35	15	1 3.03	1-	GMO	1	97120	V?	
2300	74 -F GEN	1 07 36 35.41	3 +17 47 24 • 19	+0.000	+0.001	3.07	ŀ	1	1 :		i	1 5,10	1	1	1	ı

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	STAR	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P	RA PM	DEC PM	*****	Ŋ	BLUE MAG.	B N	~ .	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
NUMBER	DESIGNATION	1111	 	+	-0.0051	-0.062	4.87	2	6.33	2	8.09	2	K5111		97221		
2301	81 -G GEM	07 43 13.834	+18 38 00.94		+0.0003		6.5			1 1			53-9E		79070	٧	i
2302	R GEM	07 04 20.784	+22 46 56 72	-	-0.0011		8.3	4				l	M4E	4	79635	V	ĺ
2303	S GEM	07 40 02.578	+23 34 08.63		-0.0007		8.0	4					SE	.4	79717	, v	ĺ
2304	T GEM	07 46 18-127	+23 51 38 78		+0.0006		6.7	4	7.450	7			G 5	4	95862	V	
2305	w GEM	06 32 05.556	+15 22 16 39	. 1	-0.0015		9.2	6	10.100				K0	6	77963	V	1
2306	AA GEM	06 03 28.143	+26 20 06.85		-0.0001		8.6	6					K5	6	95749	V	1
2307	BK GEM	06 27 08 556	+13 38 59.34 +17 01 01.52		-0.0005		7.7	5				l :	08VPE	7.	97083	٧	1
2308	BN GEM	07 34 13.300	+16 14 43.74		+0.0010		5.08			i .		1	MATII		96638	V	l
2309	51 BQ GEM	07 10 30.024	+22 55 17.93	ł	+0.0002		6.11		11 11				MIIA		78098	v	i
2310	6 BU GEM	06 09 17-174	+32 39 55.87		-0.0034		5.71			1		1	GK4	l _	59521		1
2311	IS GEM		102 49 00 05		+0.0002		8.6	6	9.24	7			BOIV	7	78145	- V	
2312	LR GEM	06 12 14.344	+22 19 04 05		+0.0003		8.9	6	9.26	7		1	B1V	7	78198	V	1
2313	LT GEM	06 15 22.600	+23 35 30 88		+0.0001		7.33	4	1	7	1	1	B0	4.	78222	V	1
2314	11 LU GEM	06 16 16 633	+23 29 27.35		+0.0011		6.00	7	7.59	7		1	M1 _	7	96407	٧.	
2315	NP GEM	06 59 31.035	+17 49 42.62		+0.0004	-0.001	8.0	6		1		1	C1-C6.5.3		79474	٧	1
2316	NO GEM	07 28 52.664	+24 36 37.75	1	-0.0012	-0-019	9.0	6		١.		1	A2	6	59533	V	1
2317	RX GEM	06 46 54.935	+33 17 51 72		+0.0004		9.0	6			1		A2	6	96912	V	1
2318	RY GEM	07 24 32,914	+15 45 42.87		-0.0000		9.3	7		1			G5	6	78024		1
2319	SS GEM	06 05 33.530	+22 37 32.77	1 1	+0.0006		7.4	4		1			NA.	4	78066	V	1
2320	TU GEM	06 07 46 80	+26 01 34 - 74		+0.0002		7,0	1	1	1			MIIAB		78092	٧	
2321	TV GEM	06 08 50.908	+21 52 51 61	l l		-0.015	7.8	5		1		1	MOIII	7	79067	l v	1
2322	TW GEM		+22 35 15.40		-0.0004	-0.026	8.1	6	1	1	1		C3-9	7	59383	l v	
2323	VW GEM		+31 30 13.51		+0.0005	-0.001		5				1 -	M2IABEP+B	7	78094	V	1
2324	WY GEM		+23 13 10.94			-0.108	9.1	4	1	1		1	DM1E		60199	Dν	1
2325	YY GEM		+31 58 50 39			-0.102	1.580		1.620	1	1.630	1	A1V+AM		60198	D	1
2326	66 ALP GEM		+31 59 59 07	10		-0.051	1.140			ol i	3,000	1	KOIII		79666	DV3	١.
2327	78 BET GEM		7 +28 08 55 11		+0.0030	-0.044	1.920		1.920		1.970		AOIV	1	95912		1
2328	24 GAM GEM		5 +16 26 37.40			-0.014	3.530				3.910	1	FOIV		79294	ם	
2329	55 DEL GEM		5 +22 04 34 08			-0.015	2.980		4.380		5.840	1	GBIB		78682	DV3	1
2330	27 EPS GEM		3 +25 10 56 92	1		-0.003	3.650				4.820		F7IB	1	79031	DV	1
2331	43 ZET GEM		7 +20 38 43 45			-0.013	3.280				6.550	1	MBIII	1	78135	DV	1
2332	7 ETA GEM		8 +22 31 23.36			-0.051	3.600		1		3.840	1	ASIII		59570	D	
2333	34 THE GEM		2 +34 01 24.57			-0.088	3.790			0 1	5.670		KOIII	1	79374		ı
2334	60 IOT GEN		5 +27 53 57 17	1		2 -0.055	3.570			0 1	5.190	1	GBIII		79653	D	1
2335	77 KAP GEN		7 +24 31 10.48			-0.039	3.580		1		3.790	1	A3V	1	96746	DV?	1
2336	54 LAM GEN		8 +16 37 56 12			-0.112	2.870			0 1	6.370	1	MSIII	1	78297	DV	1
2337	13 MU GEN		6 +22 32 27.98 7 +20 14 44.06			-0.017	4.14			2			BTIVE	1	78423	D	
2338	18 NU GEN		1 1720 17 44.00	1		-0.194	3.360		1	0 1	3.850	1	F5IV	1	96074	V?	1
2339	31 XI GEN		6 +12 57 04 31		-0.002	6 -0.114	4.91						F3III	1	60247	1_	
2340	71 OMI GEN		3 +34 42 03 15	1		2 -0.031	5.14	1		- 1		1	GM0	1	60340	מו	1
2341	80 PI GEN	The second second second	4 +33 32 24.61			8 +0.171	4.18	2	4.50	2	4.48	2	FOV	1	60118	D	1
2342	62 RHO GEN		9 +31 53 08 32			1 -0.234						2	KIIII		79638	V?	-
2343	75 516 GE		2 +29 00 22.55	۱.		2 -0.047						2	K2III	1	59858	DV?	-
2344	46 TAU GEI		5 +30 19 44 65	31		5 -0 -109		- 1 :					MOIII		79533	1	- 1
2345			3 +27 00 30 99	3		6 -0.034			5.07			2	A3V		79774	1	
2346	83 PHI GE		4 +26 53 48 68	3		9 -0.044							K2III	1	79896		1
2347		4 08 00 27.00	10 +27 56 10.1	•	-03001	7 0.047	1	1				1			1	1	
2348		4 = 15 BM CNC		.	-0.000	5 -0.002	5.16		6.09	oi			GSII		78999	V?	1
2349		M 06 59 22.02	7 +24 17 18.7	-		6 -0.003						1	MD	1 6	213810	V	l
2350		U 22 22 46.20	7 -37 49 23.5	2	-0.004	-0.00		-	1	1	· I		<u> </u>				

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N		B N	U +	U N	SPECTRAL	S N	SAO CAT.NO.	STAR PROP.	0
				-0.0016	-0.029	9.5	7					F5	6	230871	٧	Γ
2351	v GRU	21 48 46.938		+0.0004		8.5	6					F5	6	231251	٧	1
2352	w GRU	22 38 22 806	-48 25 06 49		-0.024	8.0	6	8.160	7			A5	6	230806	٧	
2353	KS GRU	21 39 48 169	-37 26 36 66		-0.025	11.3	7					A0	6	213820	V	1
2354	RU GRU	25 54 00.510	-47 12 14.54	+0.0128		1.740	1	1.610	1	1,140	1	B5V	i .	230992	DA5	1
2355	ALP GRU	22 05 05.400	-47 08 48 19		-0.006	2.110		3.730	1	5.330		M3II		231258	٧	1
2356	BET GRU	22 33 41.443	-37 36 03.59		-0.017	3.010		2.890	1	2,520	1	Beili	1	213374		١.
2357	GAM GRU	22 26 17.342	-43 45 06.41		-0.003	3.970	1	5.000	1	5.810	1	GG5		231154	V?.	1.
2358	DEL- 1 GRU DEL- 2 GRU	22 26 46.699	-44 00 20.85	-0.0007	+0.005	4.110	1	5.680		7.380		GM6		231161	DV?	
2359	EPS GRU	22 45 32.707	-51 34 49.24		-0.064	3.480	.1	3.560	1	3,640		A2V	1	247593	٧?	
2360	ZET GRU	22 57 56.340	-53 01 21.83		-0.008	4.110	1	5.070	1	5.780		. G5111	1 .	247680		
2361 2362	ETA GRU	22 42 34.442	-53 45 49 19	+0.0040	+0.024	4.850	1	6.030		7.100		GK2		247570	ņ	1
2363	THE GRU	23 04 04 199	-43 47 27 19	-0.0038	-0.018	4.290	1	4.720		4.880		F6IV_	1	231444	מ	1
2364	IOT GRU	23 07 32 182	-45 31 04.35	+0.0130	-0.021	3.900	1	4.920	11	5.780	1	KOIII	1	231468		1
2365	KAP GRU	23 01 42.868	-54 14 00.86	+0.0064	-0.110	5 • 26		_				GK5	1	247711		ı
2366	LAM GRU	22 03 06.497	-39 47 07.80	-0.0017	-0-117	4.460		5.830		7,490		KZIII	1	213543		ļ
2367	MU - 1 GRU	22 12 36 640	-41 35 46.57		+0.030	4.790		5.590		6.050	1	GG4	1	231055 231063	1	
2368	MU - 2 GRU	22 13 26.498	-41 52 36.93		-0.009	5.10	2	6.02			}	GG5		213850	ا ا	1
2369	NU GRU	22 25 43.747	-39 23 07.96		-0.164	5.47	2	6.42				GOIII		230726	J U	1
2370	XI GRU	21 28 56.364	-41 24 03 15		+0.008	5 • 29	2	6.39	2		1	GKO	1	247874		1
2371	OMI GRU	23 23 49 239	-52 59 55.03		+0.131	5.54			١.		١.	F3IV		231105	DV	
2372	PI - 1 GRU	22 19 41 131	-46 12 02·35		-0.007	6.620		8.630		9.620		S4-7 FOIV		231111	D	ı
2373	PI - 2 GRU	22 20 04.223	-46 10 50·77		-0.046	5.62	2	5.98	2	5.99		GG8	1	231265	l b	
2374	RHO GRU	22 40 36.447	-41 40 32 10		-0.089	4.850		5.880		6.690	1	A4V	1	231211	"	1
2375	SIG- 1 GRU	22 33 34.467	-40 50 28 61		-0.066	6.28	2	6.40 5.92	2	1	1	A2	1	231217	О	1
2376	516- 2 GRU	22 34 04.113	-40 50 59•56		2 -0.071	5.86	2	6.66	2			GSIV		231343		
2377	TAU- 1 GRU	22 50 40.838	-48 51 48.33		-0.073	6.04	2	0.00	15		1	F5	4		1	
2378	TAU- 2 GRU	22 52 21.796	-48 45 34.00		1 +0.058		1	ł			1	AM		231364		-
2379	TAU- 3 GRU	22 53 53.41	-48 14 11 99		+0.009	5.90 5.61	2	5.62	2			ÃOV		214313	D	1
2380	UPS GRU		3 -39 09 46 52		3 +0.017 3 -0.124	5.54	2	5.98	2		1	DF6		231539	1	1
2381	PHI GRU		-41 05 46 60		+0.062	5.38	2	7.02	12		2	GGM3	1	45788	1	1
2382	2 HER		+43 16 59 72		7 +0.013	5.58	١-	5.460			-	B8		45790		1
2383	4 HER		+42 42 38 23		5 -0.029	6.02	1	6.020			1	AOV	1	101962	ł	
2384	8 HER		+17 20 13.86 7 +05 08 50.90		-0.009	5.48	1			100		GK5	1	121431	1.	
2385	9 HER		+07 58 59 09		-0.008	6.84	4					KO	4	121451	1	- [
2386	12 HER	The state of the s	+43 57 02.50		4 -0.304	6.54	4				1	КО	4	45933		1
2387	14 HER		5 +11 32 52.74		+0.042	7.50	4				1	KO .	4	102046	1	ı
2388	15 HER		7 +18 55 59.34		0.080	5.72	1					GK3	1	102040		
2389	16 HER		5 +23 14 44.81		0 -0.014	6.59	4		1		1	KO	4	84274		Ш
2390	17 HER	16 16 10 16	+26 01 02 13		6 +0.001	6.63	4				1	G5	4	84295	1_	
2391	19 HER		1 +32 26 54.77		4 -0.010	6.12	1	6.180)		1	A3V		65262	D	1
2392	23 HER 25 HER	16 23 37-13	+37 30 24.63		2 -0.012	5.48					1	A3		65290		
2393			6 +33 37 10 - 59		4 -0.020	6.74	4				1	AO	4		1	ŀ
2394			8 +30 36 09.90		1 -0.006	6 • 66	4				1	F0	4	65380	0	
2395 2396	32 HER 34 HER		5 +49 04 08.18		6 -0.064	6.22			1	100	1	A0		46128		- [
2396	39 HER		8 +27 00 43.06	+0.000	0 -0.045	5.90				1	1	DF2		84543		
2398	41 HEF		6 +06 10 57.17		2 -0.266	6.71	4		1			65	- 4		٥ ا	
2399	42 HEF	16 37 23.24	7 +49 01 31.30	-0.005	1 +0.031	5.92	1	1		1		GM2		46210		
2400	48 HER	17 10 13	5 +30 02 57.47	1 -0.005	3 +0.076	6.68	1 4	1	1	1	1	K2	4	65577	1	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

UMBER	STAR DESIGNAT		RT.	ASCEN. N SEC	DECLIN		P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT-NO-	STAP PROP.	
2401	49	HER	16 4	9 48.129	+15 n3	24.26	Π	+0.0011	+0.002	6.38		6.330				AP		102435		T
2402	50	HER		8 41.747				-0.0005		5.66			i			GM1		94641		1
2403	51	HER		9 40.785				+0.0009		5.06					- 1	K2II-III		84651	1	1
2404	52	HER		7 46.246				+0.0019		4.82	2	4.91	2	4.93	2	A2P	7	46305	י עם	1
2405	53	HER	16.5	1 04 - 150	+31 46	59.65		-0.0075		5.28						DA8		65627		ł
2406	54	HER		3 10.220				-0.0078		5.35	2	6.76	2	8.42	2	K4III		102476	Ü	1
2407	56	HER		2 59.215				+0.0009		6.08	2	7.00	2	7.62	2	GSIII		84692	D	
2408	57	HER	16 5	5 27.727	125 2	5 43.30		+0.0002		6+55	_		-			GG5	1	84720	l	
2409				3 03.442				+0.0034		4.61	2	5.03	2	5.09	2	ASIV		102594	ם	
	60	HER		1 42.397				+0.0024		6.63	_		-	3.03	7	GM4		65761		
2410	61	HER		6 29.362				-0.0003		6.82	14		1		:	AO	4	84873		
2411	62	HER		8 58 827				-0.0009		6.22	. 7					ABIV-V	7	84896	ν	
2412	63 70	HER HER		8 50.498				-0.0017		4.94		4.900				AIV		85021	ł .	
2414	73	HER		2 00.938				-0.0031		5.67		,				A4		85062		
	74	HER	17 1		+46 1				+0.045	5.60						GMO		46645		
2415	78	HER		9 51.624				+0.0003		5.56		5.560				B9.5V		85182	100	
2416				5 27.400					+0.003	5.57		5.660				A2V		85264		
2417	79	HER		0 25.238				-0.0042		5.51	2	6.97		8,65	2	K4III		85344		
2418	83	HER							+0.071	5.54	-	0.,	-	0.00	-	GG6		85360		
2419	84	HER		1 18.329				-0.0004		5.17	l					KZIII		85437		
2420	87	HER		6 47.387					+0.015			6.250				AP		46997		
2421	88	HER		8 44.710						6.40	2	5.95	2	7 16	2	Koll-III		103285	ľ .	
2422	93	HER		7 49.773				-0.0005		4 68	ا کا	5.95	اءا	7.16	ے	ATIII		85648	ם ו	
2423	95	A HER		9 23.050				+0.0008		5.13 5.86	2	5.98	2	6.06	2	A3		85753	DV?	
2424	100	A HER		5 48.495				-0.0006			-	5.90	-	0.00	_	GSIII		85647	D	
2425	95	B HER		9 22.551				+0.0007		5.21		5.000				B3V		85672	1 "	
2426	96	HER		0 14.715				+0.0003	-0.001	5.10		6.000		100		B3V		85676		
2427	97	HER		0 24.613						6.10		0.000	1 1			GM2	l	85725	ľ	
2428	98	HER		3 55.448					-0.008	5.12	ا ء ا	6 04	12	c 10	2	A3		85752	DV?	
2429	100	B HER		5 48.464					+0.033	5.90	2	6.04	2	6.12	~	A4	1	85770		
2430	101	HER		6 43.406					-0.021	5.16	ارا	4 00	1	3,39	2	BZV		85769	D	
2431	102	HER		6 37.111					-0.009	4.35	2	4.20	2	3,39	~	K4II		85921	"	
2432	105	HER		7 07.136					+0.001	5.34	ا ا	C +11	اہا	0 50	2			A5941	1	
2433	106	HER		8 10.896					-0.056	4.96	2	6.54	2	8.54	2	GMO A M	S	85956	1	
2434	108	HER		9 01.413					+0.057	5.50	١.١	5.720						86003	V2	
2435	109	HER		1 33.942					-0.244	3.840		5.020		6.180		K2III	1	86406	D	
2436	110	HER		3 30.511					-0.334	4.19	2		2	4.67	2	F6V A3V	l	104093	"	
2437	111	HER		4 48.700					+0.115	4.36	2	4.48		4.56	~	B911-111		86521	l .	
2438	112	HER		08.20					-0.008	5.20	2	5.130		- 00	2	G0+A3		86567	D	
2439	113	HER		2 38.15					+0.005	4.60	-	5.38	2	5.88	~	GM3		66737	√v?	
2440	104 A	HER		01.17					+0.023	4.92	2	5 56	2	5 114	2	F7V		66648	D	
2441	99 - 8	HER		5 07.529					+0.071	5.04	-	5.56	ا کا	5.46	-	A5	l	65812	Ĭŏ	
2442	-c	HER		6 15.55					-0.012	5.26]	5 070				ASIII		65736	١ - ١	
2443	59 - D	HER		59 45.47					-0.001	5.25	2	5.270		11 60	9	A2V		65921	V?	
2444	69 - E	HER		15 56.69					+0.062	4 • 66	<u>ا -</u> ا	4.71	2	4.68	2	KSIII		47037	D	
2445	90 - F	HER		51 40.27					+0.052	4.93		6 = 7	2	7 70	2	MOIII		46108	ľv	
2446	30 -G	HER		26 59.84					-0.003	5.01	2	6.53	2	7.70				102234	"	
2447	29 - H	HER	16 3	30 15.76	+11 3	38.47			-0.080	4 • 85	2	6.34	2	8.16	2	KATII	1	121843	1	
2448	43 -I	HER		3 25.71					+0.014	5.15	2	6.68	2	8,62	2	KSIII		121895	V?	
2449	47 - K	HER		17 53 57					-0.012	5.49	2	5.59		5.70	2	A M A P		121865	٧,	
2450	45 -L	HER	16 4	15 18.56	1+05 2	U 05.94	١,	1-0.0014	-0.039	5.24		5.220		ł		I A C	1	151000		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

2461 107 -T HER 2462 2463 68 -U HER 2465 2466 72 -W HER 2465 2466 72 -W HER 2469 82 -Y HER 2470 82 -Y HER 2471 2472 2473 AK HER 2475 2476 2477 BE HER 2478 2478 12 HER 2480 10 LQ HER 2480 2481 2482 2483 CP HER 2485 2486 CP R R HER 2487 ST HER 2490 2491 TY HER 2492 2493 UU HER 2493 UU HER 2493	STAR ESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P		RA DEC PM PM	VISUAL MAG.	N	BLUE MAG•	B N	MAG.	N	CLASS	S N	SAO CATANO	STAR PROP.	
2452 37 -M- 2 HER 2453 28 -N HER 2454 21 -O HER 2456 R HER 2456 S -R HER 2459 2460 107 -T HER 2462 2463 68 -V HER 2465 72 -W HER 2466 2467 77 -X HER 2466 2467 2468 2470 82 -Y HER 2470 2471 2472 2473 2474 BE 2475 2476 PS 2477 2478 10 LG HER 2477 2478 10 LG HER 2478 2479 10 LG HER 2483 2480 2481 2482 2488 SX HER 2488 2489 17 TY HER 2490 2491 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY HER 2490 2490 TY TY HER 2490 2490 TY TY HER 2490 2490 TY TY HER 2490 2490 TY TY TY TY TY TY TY TY TY TY TY TY TY	-M- 1 HCR	16 38 06.024	+04 18 11.75	7	-0.0003 -0.012	6.86						DA5		121774	מ	
2453 28 -N HER 2455 2455 RR HER 2455 RF HER 2457 SHER 2459 PF HER 2460 PF PF PF PF PF PF PF PF PF PF PF PF PF	to the second of		+04 18 56.86	1	-0.0002 -0.014	5.73					1	AO		121776	Ð	1
2454 21 -0 HER 2455 2456 R HER 2457 5 -R HER 2459 2459 2460 107 -T HER 2462 2463 68 -U HER 2466 72 -W HER 2466 72 -W HER 2466 72 -W HER 2466 72 -W HER 2466 72 -W HER 2467 2468 77 -X HER 2470 82 -Y HER 2470 82 -Y HER 2470 82 -Y HER 2470 2471 AC HER 2470 82 -Y HER 2470 2470 BE 2470 2471 AC HER 2470 2470 BE 2470 2470 HER 2470 2470 RS HER 2470 2470 HER 2470 HER 2470 2470 HER 2470 2470 HER 2470 2470 HER 2470 2470 HER 2470 HER 2470 2470 HER 2470 ACC HER 2470			+05 37 34.43	ı	+0.0011 -0.002	5.52		5.470				B8		121676	100	١.
2455			+07 03 44.55	- [+0.0000 +0.014	5.85	2	5.84	2	5.85	2	AO		12156B		ı
2456 2457 2458 2457 2458 2459 2460 2461 2462 2463 2463 24645 2465 2466 2466 2466 2467 2466 2467 2468 2470 2471 2472 2472 2473 2474 2473 2474 2475 2477 2478 2477 2478 2478 2479 2480 2481 2482 2484 2488 2489 2489 2490 2491 2492 2493			+16 47 37.67	١.	+0.0003 +0.001	5.92	-	5.940		3,00	<u> </u>	AOV		101994		ı
2457				-	+0.0021 -0.013	8.0	4	00,10				MEE	4	101927	l v	1
2458 2459 2460 2461 2461 2462 2463 68 70 8464 2465 72 8464 2465 74 8466 75 82 868 76 87 88 88 88 88 88 88 88 88 88 88 88 88			+18 30 14 37	1			2	6.10	2	6.84	2	KOIII	' '	101879		4
2459 2460 2461 2462 2463 68 -U HER 2463 68 -U HER 2464 2465 72 -W HER 2465 74 - X HER 2466 75 - X HER 2467 2466 77 - X HER 2469 2470 2471 2472 2473 2474 2475 2476 2477 2476 2477 2478 2478 2478 2478 2478 2488 2488			+17 57 18 89		-0.0036 +0.150			0.10	-	0.04	-	MGE	4	102434	Ιv	-1
2460 T HER 2461 107 -T HER 2462 2463 68 -U HER 2465 2466 72 -W HER 2466 77 -X HER 2466 77 -X HER 2466 2471 2472 2473 2474 2475 2476 2477 2478 12 2478 12 2480 10 Lq HER 2483 2481 2485 2486 2487 5X HER 2486 2487 5X HER 2486 2487 5X HER 2489 2491 TX HER 2493 UU			+15 01 27.77	1	+0.0003 -0.006	5.9	4		i I		1	3	1 4	84416	V?	١
2461 107 -T HER 2462 2463 68 -U HER 2465 V HER 2465 72 -W HER 2466 72 -W HER 2467 2468 77 -X HER 2470 82 -Y HER 2472 AC HER 2472 AC HER 2473 AK HER 2475 DI HER 2475 2476 GN HER 2477 2478 IQ HER 2479 1Z 2480 10 LG HER 2481 2482 2483 RR HER 2485 RX HER 2485 RX HER 2485 RX HER 2486 2487 ST HER 2489 2490 TX HER 2490 2491 TX HER 2492 2493 UU HER 2492 2493			+20 35 14 • 15	. 1	-0.0056 -0.065	5.16	١. ا					GRIIP			v	1
2462	T HER		+31 00 40 • 07		+0.0009 +0.006	6.9	4	1.00				M3E	4	66680		1
2463 68 -U HER 2464 2465 W HER 2466 72 -W HER 2469 2467 2471 AC HER 2472 AC HER 2473 AK HER 2475 DI HER 2477 2478 IQ HER 2477 2478 IQ HER 2479 1Z 2480 10 Lg 2481 NG HER 2482 2483 OP HER 2482 2483 OP HER 2486 RX HER 2485 RX HER 2486 RX HER 2486 2487 ST HER 2489 2490 TX HER 2492 2493 UU HER 2492 2493 UU HER 2492 2493 UU HER 2493 UU HER 2493	7 -T HER		+28 50 41.92	*	+0.0002 +0.050	4.98			1 1		1	A4		85957	٧? .	1
2463 68 -U HER 2464 2465 2466 72 -W HER 2466 72 -W HER 2466 72 -W HER 2469 2470 82 -Y HER 2473 AK HER 2473 AK HER 2475 DI HER 2476 2476 GN HER 2477 2478 IQ HER 2477 2478 IQ HER 2480 10 Lg Lg Lg Lg Lg Lg Lg Lg Lg Lg Lg Lg Lg	U HER	16 23 34.862	+19 00 18 01	. [+0.0015 -0.006	6.7	1				1	GM7E	1	102160	V	1
2464 V HER 2465 2466 72 -W HER 2466 72 -W HER 2468 77 -X HER 2469 2470 82 -Y HER 2473 AK HER 2473 AK HER 2475 GN HER 2476 2477 HS 2476 2477 HS 2478 IZ HER 2480 10 L9 HER 2483 OP HER 2483 OP HER 2485 2486 RX HER 2485 2486 RX HER 2487 SX HER 2487 SX HER 2487 SX HER 2489 2491 TX HER 2492 2493 UU HER 2493 UU HER 2493		17 15 28.599	+33 09 10 06	1	-0.0009 -0.005	4.78	2	4.63	2	3.87	2	B3III	1	65913	עס	
2465			+35 07 34.98		-0.0026 +0.004	9.3	6		1		1			65681	V	-1
2466 72 -W HER 2467 X HER 2468 77 -X HER 2469 2470 82 -Y HER 2472 AC HER 2472 AC HER 2475 DI HER 2476 GN HER 2476 2477 HS HER 2478 IQ HER 2479 1Z 2480 10 LG HER 2481 AMM HER 2485 RS HER 2485 RS HER 2486 RX HER 2486 RX HER 2486 RX HER 2487 ST HER 2488 SX HER 2489 TT HER 2490 TY TY HER 2490 TY TY HER 2490 TY TY HER 2490 TY TY HER 2490 TY TY HER 2490 TY TY HER 2490 TY TY HER 2490 TY TY TY TY TY TY TY TY TY TY TY TY TY			+37 26 48.02		-0.0025 +0.003		4	l]	F .	1	M3F	4	65409	V	
2467 2468 77 -X HER 2469 2470 82 -Y HER 2471 2472 AC HER 2473 2474 BE HER 2475 2476 GN HER 2477 2478 10 HER 2477 2478 10 LQ HER 2479 2480 10 LQ HER 2481 NG HER 2482 2483 OP HER 2484 2485 RR HER 2485 RR HER 2486 RX HER 2487 ST HER 2488 2488 TT HER 2489 TY HER 2490 2491 TY HER			+32 31 51.06		+0.0100 -1.043	5.39	2	6.01	2	6.08	2	G2V		65963	DA5	١
2468 77 -X HER 2469 Y HER 2470 82 -Y HER 2477 2477 AC HER 2477 AC HER 2475 DI HER 2476 GN HER 2476 2478 IQ HER 2478 LQ HER 2480 LQ HER 2480 LQ HER 2480 AR HER 2480 AR HER 2485 AR HER 2485 AR HER 2485 AR HER 2486 AR HER 2486 AR HER 2487 ST HER 2489 AR HER 2490 AR HER 249			+47 22 35.81	. * 1	-0.0047 +0.058	5.8	4				1	MC	4	45863	ν	-1
2469 Y HER 2470 82 -Y HER 2471 Z HER 2472 AC HER 2473 AK HER 2475 DI HER 2475 GN HER 2476 2477 HS 2478 IZ HER 2480 10 LG HER 2480 10 LG HER 2483 OP HER 2483 OP HER 2485 RS HER 2485 RS HER 2485 RS HER 2486 RX HER 2486 RX HER 2487 ST HER 2488 2489 TT HER 2490 LG HER 2490			+48 18 04 18		-0.0004 -0.005	5.76						A2	1	46723		-1
2470 82 -Y HER 2471 Z HER 2472 AC HER 2473 AK HER 2475 DI HER 2476 CH HER 2476 CH HER 2476 CH HER 2479 CH HER 2480 CH HER 2480 CH HER 2483 CH HER 2485 CH HER 2485 CH HER 2485 CH HER 2486 CH HER 2486 CH HER 2487 CH HER 2487 CH HER 2489 CH HER 2490 CH HER 2490 CH HER 2491 CH HER 2493			+07 12 26.72	-	-0.0013 +0.002	6.9	4	i	1			В9	4	121728	V	1
2471 Z HER 2472 AC HER 2473 AK HER 2474 BE HER 2475 GN HER 2476 GN HER 2477 HS HER 2479 IZ HER 2480 10 LG HER 2481 MM HER 2482 NG HER 2483 OP HER 2484 RR HER 2485 RS HER 2486 RX HER 2486 RX HER 2487 ST HER 2488 SX HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 LUU HER			+48 36 50 00		+0.0026 +0.064	5.42						GK1		46838		1
2472 AC HER 2473 AK HER 2474 BE HER 2475 DI HER 2476 GN HER 2477 HS HER 2479 IQ HER 2479 LQ HER 2480 10 LQ HER 2482 NG HER 2482 NG HER 2482 NG HER 2484 RR HER 2485 RS HER 2486 RX HER 2487 ST HER 2489 TT HER 2490 TY HER 2491 TY HER 2491 TY HER 2492 UU HER					-0.0016 +0.074	7.1	4					F5	4	103254	V	1
2473 AK HER 2475 BE HER 2475 DI HER 2475 GN HER 2477 HS HER 2479 IZ HER 2480 10 LG HER 2481 MM HER 2482 OP HER 2485 RS HER 2485 RS HER 2485 RS HER 2487 ST HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ 2493 UU HER			+15 08 31.45	1	-0.0005 +0.000	7.8	5				1	F8	5	86134	V	- 1
2474 BE HER 2475 DI HER 2476 GN HER 2477 HS HER 2478 IQ HER 2479 IZ HER 2480 IO LG HER 2481 MM HER 2482 OP HER 2483 OP HER 2485 RS HER 2485 RS HER 2486 RX HER 2486 RX HER 2487 ST HER 2489 TT HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ HER			+21 49 53-11		+0.0019 -0.046	8.8	6					FB	6	102668	DV	1
2475 DI HER 2476 GN HER 2476 HS HER 2477 HS IQ HER 2479 IZ HER 2481 MM HER 2482 NQ HER 2483 OP HER 2485 RS HER 2485 RS HER 2486 RX HER 2487 ST HER 2489 TX HER 2490 TX HER 2491 TY HER 2492 TZ HER 2493 UU HER			+16 24 27.59				6				1	М3	6	84366	V	-1
2476 GN HER 2477 HS HER 2478 IQ HER 2480 10 LQ HER 2481 MM HER 2482 NQ HER 2485 RS HER 2486 RX HER 2486 RX HER 2486 RX HER 2487 ST HER 2489 TX HER 2490 TX HER 2490 TX HER 2490 TX HER 2490 UU HER 2493 UU HER			+29 21 51 11		-0.0006 -0.023	9.0			1		ı	A2	6	86544	ĺv	.]
2477 HS HER 2479 IQ HER 2479 IZ HER 2480 10 LQ HER 2482 NG HER 2482 NG HER 2485 RS HER 2485 RS HER 2486 RX HER 2487 ST HER 2488 SX HER 2489 TY HER 2491 TY HER 2491 TY HER 2492 UU HER 2493 UU HER	DI HER		+24 12 53 47		-0.0007 -0.011	8.3	6					MZ	0	65366	v	1
2478 IQ HER 2479 IZ HER 2480 10 LQ HER 2481 MM HER 2482 NQ HER 2483 OP HER 2485 RS HER 2486 RX HER 2486 RX HER 2487 ST HER 2488 SX HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ HER	GN HER		+38 57 48 65		+0.0008 -0.002	8.3	6					20			v	1
2479 2480 10 L9 HER 2482 N9 HER 2483 OP HER 2483 OP HER 2485 RS HER 2485 RS HER 2485 RS HER 2487 ST HER 2488 SX HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ 2493 UU HER	HS HER		+24 39 35.75		-0.0007 -0.019	8 • 2	6			1		B8	6	86497	ľv	-1
2479 IZ HER 2480 10 L9 HER 2482 NO HER 2483 OP HER 2485 RS HER 2485 RS HER 2485 RX HER 2487 ST HER 2489 TT HER 2490 TX HER 2491 TY HER 2491 TY HER 2491 TY HER 2493 UU HER	IQ HER	18 15 42.636	+17 57 36.90		+0.0011 +0.037	7•7	6				1	M4	7	103576	١ ٧	- 1
2480 10 LG HER 2481 MM HER 2482 NG HER 2483 OP HER 2485 RS HER 2485 RS HER 2486 RX HER 2487 ST HER 2489 TT HER 2489 TY HER 2490 TX HER 2491 TY HER 2492 TZ HER		= HS HER				1 1 1 1 1 1			i .		1				1	ŀ
2481 MM HER 2482 NG HER 2483 OP HER 2485 RS HER 2486 RX HER 2486 ST HER 2487 ST HER 2489 TT HER 2489 TY HER 2491 TY HER 2491 TY HER 2492 TZ HER 2493 UU HER			+23 37 22.22		-0.0022 -0.014	5.96	1	L	1			GM4		84240	V	- 1
2482 NQ HER 2483 OP HER 2484 RR HER 2485 RS HER 2486 RX HER 2487 ST HER 2488 SX HER 2489 TT HER 2490 TX HER 2491 TY HER 2491 TY HER 2492 TZ HER 2493 UU HER			+22 08 58.93		+0.0005 -0.029	9.1	6		1.		1	G0	6	85600	- V	-1
2483 OP HER 2484 RR HER 2485 RS HER 2486 RX HER 2487 ST HER 2488 SX HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ HER 2493 UU HER			+18 18 40.98	. 1	+0.0015 -0.012	8.2	6	1		1	1	A0 -	6	103465	٧.	- 1
2484 RR HER 2485 RS HER 2486 RX HER 2487 ST HER 2488 SX HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ HER 2493 UU HER			+45 21 21.89		+0.0002 -0.028	6.22	1					M6S	1	47080	V	- 1
2485 RS HER 2486 RX HER 2487 ST HER 2488 SX HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ HER 2493 UU HER			+50 38 03-27		-0.0004 -0.041	8.8	6		1		ł i	N2E	6	29781	V	۱
2486 RX HER 2487 ST HER 2488 SX HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ HER 2493 UU HER			+22 58 06.93		-0.0012 +0.003	7.5	4	1	1	1	1	M5E	4	85031	l v	1
2487 ST HER 2488 SX HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ HER 2493 UU HER			+12 34 31.90		-0.0003 +0.013	7.2	4					AO	4	103793	V	1
2488 SX HER 2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ HER 2493 UU HER			+48 37 59.07	- 3	+0.0002 -0.007	6.8	4		1			MC	4	45758	V	
2489 TT HER 2490 TX HER 2491 TY HER 2492 TZ HER 2493 UU HER					-0.0007 -0.047	8.6	7		1		1	G3EP-K0	7	84204	V	1
2490 TX HER 2491 TY HER 2492 TZ HER 2493 UU HER			+25 02 28 14		+0.0007 -0.055	9.3	6			1		1 332,	1 '	102464	v	
2491 TY HER 2492 TZ HER 2493 UU HER			+16 55 01 80			8.1	6	1			1	A5	6	46626	ľv	
2492 TZ HER 2493 UU HER	- 1. The second of the second		+41 56 20 67		-0.0013 -0.007	1	6			1		""	1 3	102266	ľ	
2493 UU HER			+13 24 47.59		-0.0032 +0.008	8.4			1			F5	1 2	65401	l v	1
			+38 05 52.93		-0.0002 -0.029	8.1	6	1				""	6	65424	ľ	
2494 UW HER			+38 04 04 89	1	-0.0024 -0.020	8.5	6		1		1	Mee	-	65885	l v	
	UW HER		+36 25 26.73	ď.	+0.0014 -0.009	8.1	6			1	1	M5E	7		ľ	,
2495 UX HER	UX HER		+16 57 07 49		-0.0017 +0.027	8.7	6		1		1	A0	6	103195	V	1
		16 31 26.500	+38 10 30 58		-0.0014 -0.011	8.6	6		1		1	A2	6	65379		1
			+45 42 52.53		-0.0020 -0.019	8.4	6		1		1			46973	V	
			+26 03 24-14		+0.0002 +0.007	5.45	2	5.79	2	6.06	2	F2IA	1	85545	V	
			+48 29 58 02		+0.0000 +0.006	8.2	6	1	1.	1	1	MA	6	46239	V	
			+15 01 16.29	1	+0.0002 -0.010	6.30	1	6.34		1		AP	1	102536	DV	ı

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	STAR	RT. ASCEN.	DECLINATION F	2	RA PM	DEC PM	VISUAL MAG.	۷ N		BN	U -	U N	SPECTRAL CLASS	5	SAO CAT.NO.	STAR PROP.	G N
NUMBER	DESIGNATION	1111	D 11	+				6		\vdash		-	КО	6	102639	· v	†
2501	V 463 HER	17 09 19.135	+16 28 14.36		0.0004		8•4 9•0	6					110	Ĭ	46952	V	
2502	V 522 HER	17 45 43.432	+40 02 09.40			+0.031	8.6	6							47244	V	1
2503	V 529 HER	18 06 25.775	+42 12 53 18			-0.016		.0	6.52	1			AP	6	86405	V	1
2504	V 535 HER	18 43 28.272	+21 55 51.47			+0.012	6.50	ا ۽ ا	0.54				Mo	6	47242	٧	1
2505	V 566 HER	18 06 16.706	+41 42 37.55			-0.045	7.7	6					80.5111	7	102273	ν	1
2506	V 600 HER	16 34 40.575	+14 34 30.42	-	-0.0004	+0.005	6 • 59						BU.J.1		10-275		
2507	V 620 HER	= 63 HER							6 00	7		1	км	6	103069	עם ו	1
2508	V 624 HER	17 42 00 627	+14 25 49.35	1		+0.017	6.07		6.28						46288	v	
2509	V 636 HER	16 45 43.605	+42 19 37 19	- 1 -	-0.0003	-0.024	5.98		7.58	7	100	ŀ	M4		40200		1
2510	V 637 HER	= 52 HER	-							_			C1411	٠,	102819	עם	
2511	V 640 HER	17 23 40.749	+16 57 35.28			+0.009	6.12		7.73	7		_	GM4	7	102918	l 'v	Į.
2512	V 642 HER	17 31 26.526	1+14 52 33-14			-0.071	6.42		, , , , ,	7		7	GM4	l ':	102680	ην	ı
2513	64 ALP- 1 HER	17 12 21.948	1+14 26 45+34			+0.034	3.060	1	4.510	1	5.520	1	MSII		102681	D	
2514	64 ALP- 2 HER	17 12 22.274	+14 26 43.71			+0.043	5.39	١.				۱.	G5111?+F2		84411	V?	1
2515	27 BET HER	16 28 04 105	+21 35 50 16	٠ ا -	-0.0071	-0.017	2.770		3.710		4.400		GSIII		102107	DV?	1
2516	20 GAM HER		+19 16 09.32	٠.	-0.0033	+0.042	3.760		4.030		4.220		AGIII			DV3	1
2517	65 DEL HER		+24 53 48.78	٠.	-0.0017	-0.157	3.130	1	3.210		3.290		ASIV		84951	DV	
	58 EPS HER		+30 59 55.92	٠ [-0.0038	+0.028	3.920	1	3.910		3.800		AOV	ļ	65716	200	1
2518	40 ZET HER					+0.394	2.810	1	3.460		3.670		GOTV		65485	DV?	
2519	44 ETA HER	16 41 10.779	+39 00 58.79	` ₁	0.0028	-0.083	3.500	1	4.420		5.030		G7III-IV		65504		
2520	91 THE HER	17 54 32 183	+37 15 21 68			+0.006	3.870	1	5.220	1	6.680	1	KIII		66485	V?	
2521			+46 01 55 27			+0.004	3.800	1	3.620	1	2.930	1	B3V	1	46872	Λ.5	1
2522			+17 10 43.81			-0.011	5.34		i	1			GRIII		101951	D	
2523	7 KAP- 1 HER	16 05 40 76	+17 11 12.00			-0.031	6.52	ļ	ļ -	l		1	GK2	l	101952	D	
2524			+26 08 49.49			+0.019	4.41	2	5.85	2	7,53	2	K4III		85163	_V?	
2525	76 LAM HER		+27 44 55 40			-0.747	3.420		4.170	1	4.560	1	G5IV		85397	ח	1
2526	86 MU HER		+30 11 32.29			+0.007	4.41		4.80	2	4.95	2	F2II	1	66524		1
2527	94 NU HER		+29 15 07.34			-0.017	3.700		4.640	1	5.340	1	G9111		85590	V?	î
2528	92 XI HER	4 -	1 120 15 15 70			+0.010	3.830		3.810		3.740	1	B9V		85750	V	1
2529	103 OMI HER		+28 45 15 79			+0.003	3.160		4.600		6.260		K3II		65890	٧?	
2530	67 PI HER	17 13 18.21	+36 51 51 83			+0.003	5.498		5.498		5.448		B9V	1	66000	D.	7
2531	75 RHO- 1 HER	17 21 57.05	+37 11 29.80			+0.005	4.548		4.548		4.498		ĀP		66001	D	7
2532	75 RHO- 2 HER		+37 11 26 94				4.20	_	4.19		4.09		B9V		46161	V?	1
2533	35 SIG HER	16 32 29.32	+42 32 21.08			+0.044	3.900		3.750		3.180		B51V	1	46028	DV?	
2534	22 TAU HER	16 18 14 - 100	+46 25 53 60			+0.037	_	2	4.65	2	4.33		AP	1	45865	1	1
2535	6 UPS HER		+46 10 28 68			-0.062	4.76	2		2	3.92		AP	1	45911		
2536	11 PHI HER	16 07 11.50	+45 03 54.26			+0.035	4.27	2		2		2	F9V	1	45772	1	1
2537	1 CHI HER	15 50 56 68	+42 35 25.78			+0.628	4 • 62		4.57	2	4.53	2	AP	- 1	102153	ם	
2538	24 OME HER	16 23 06.36	1 +14 08 49.24			-0.063	4.58	2	4.57	16	4.33	٦-	MB	۱ 4	232977	l v	
2539	V HoR	03 02 14.49	-59 07 38•16			-0.005	7.0	7		1	100	1	MC	6	232872	l v	1
2540	W HOR		2 -54 30 41.59			+0.004	10.7	1 7					G	6	233216	l v	1
2541	RR HOR	03 38 50.65	-52 53 21.12			-0.010	9.		1	2		1.	A2V	1	216357	v	1
2542	TU HOR	03 29 00.67	7 -47 32 42.31			+0.023	5.99	2	1	7		1	MSIII	7	232795	v	1
2543	TV HOR	02 28 46.31	5 -58 01 51.68			+0.028	6.80	4					NA NA	ŀ ′	237357	ľ v	1
2544	TW HOR	03 11 16.94	7 - 57 30 29 47			+0.13	5.74] 2		2	5,970	١,	KIIII		216713	1	
2545	ALP HOR	04 12 20.59	1 -42 25 00.31			-0.208	3.860						A5V		248701	1	
2546	BET HOP	02 57 50.77	B -64 16 10·53			+0.016	4.99	2	5.12	2	5.27	٦		1	248642		
2547	GAM HOF	02 44 23.15	7 -63 54 49.81			-0.005	5.69	١.	E	١.	_ = = = -	J.	KO DF0		216682	1	
2548	DEL HOF	04 09 09.44	4 -42 07 23.02			+0.067	4.930	1 L	5.260	7 1	5.330	1			232857		1
2549	ZET HOF	02 39 06.22	9 -54 45 48.15			+0.006	5.26	1_		1_		1	DF5	1	232835		1
2550	ETA Hof	1 00 75 45 20	3 -52 45 31.96		40.009 1	3 -0.013	5.31	1 2	5.58	12	1	1	A5		[235033	1	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM		N	BLUE MAG.	B N		U N	SPECTRAL CLASS	S.	CAT.NO.	PROP.	
*ONDER			-51 00 55•10	+0.0349	+0.229	5.41	2	5.97	2			GSIV	1	232864		
2551	IOT HOR	02 40 51.285		-0.0088		5.35	2	5.74	2			Fallib		248555		1
2552	LAM HOR	02 23 29 948	50 5E 50 17	-0.0093		5.11	2	5.45	2			DF2	1	232981	1	1
2553	MU HOR	03 02 25.945	-59 55 52 17	+0.0138		5.26	2	5.36	2			An		248656	1 .	1
2554	NU HOR	02 47 54.688	-63 00 48.77	-0.0143		5.62	2	6.08	2	6.02	2	DF2	1	135877	1	i.
2555	1 HYA	08 22 05.455	-03 35 16.27	-0.0038		5.59	2	5.81	2	5.9n	2	DFn	1	135916	٧?	1
2556	2 HYA	08 23 57.287	-03 49 18.50	-0.0061		4.98	2	6.40	2			KHIII	l	154515	_	1
2557	б НуА	08 37 39.279	-12 17 51 03			4.88	2	5.95	2	6.87	2	Killl	i	154552	ח	1
2558	9 HYA	08 39 24 073	-15 45 45 16	-0.0006		6.13	2	6.33	2	6.43	2	A3N	i i	117088	1	
2559	10 HYA	08 42 22.440	+05 51 46.78		-0.008	5.31	2	5.21	2	4.86	2	AP	1	136308	1	1
2560	14 HYA	08 46 50.952	-03 15 22.83		-0.027		2	5.69	2	5.83	2	AM	1	136345	DV?	ŀ
2561	15 HYA	na 49 06.972	[-06 59 19·51]		-0.003	5.54	۲	3.07	1-	1 3.00	-	д М	1	136409	D	
	17 A HYA	na 53 02.503	-07 46 44.04	-0.0002	-0.028	6 • 67	۱ ۵	6.30	2	6.43	2	A3	1.	136408	ח	١.
2562		na 53 02.474	-07 46 40 43		-0.042	6.08	2		2	5.35	2	В8		136604	מו	1
2563		ng ne 15.297	-08 23 10.97		-0.013	5.60	2	5.54		7.25	2	GG6	1	136622	1	
2564		00 07 08.810	-08 35 01.37		-0.015	5.46	2	6.47	2		5	AZ		136662	1	1
2565	1 -0		-06 54 13.73	-0.0014	+0.015	6.11	2	6.33	2	6.45		KZIII	1	136725	1 p	ı
2566	21 HYA	09 09 37 37 2	-06 08 36 69	+0.0011	+0.002	5.24] 2	6.41	2	7,63	2		1	136728	1 -	1
2567	23 HYA	00 10 14 336	-08 32 06.30	-0.0017	7 -0.001	5.47	2	5.38	2	5.08	2	B9	4	155064		1
2568	24 HYA	4- 04 370	-11 45 03.66		-0.046	7.32	4.		1		1.	KO	1 "	155096	פו	١
2569	25 HYA		-11 45 46.60		+0.005	4 - 81	2	5.74	2	6,35	2	GBIII	1.		1 '	-
2570	26 HYA		0/1 5/1 07 23		-0.015	5.59	2	7.11	2	8.93	2	KSIII	1	136832	D	ì
2571	28 HYA	09 22 54.006	-04 54 03.23		-0.004	6.54	12	6.59	2	6.61	12	AO.	1	136861	1 "	ı
2572	29 HYA	09 24 47.584	-09 00 20 86		-0.003	6.40	2	6.36	12	6.27	2	A0	1	137011	1 .	i
2573	34 HYA	09 35 24.347	-09 11 56-02		+0.000	6.31	2	6.28	2	6.14	2	B9	1	155377	_	-
2574	37 HYA	09 37 20.840	-10 20 35.66			5.08	12		2	1	1	KAIII	4	178979	נו	١
2575	HYA HYA	10 31 38.019	-23 29 12.97		9 +0 •017	5.17	1	5.070	1		i	B8	1	182134	1	-1
2576	HYA	13 55 42.433	3 -24 43 44.18	-0.003	5 -0.031	5.80					į.	F3V	i	182152	1	-
2577	48 HYA	13 57 11.725	-24 46 01.83	-0.014	7 -0.096	5.25	1	1	1	1	1	GK3	i	182349	l	1
2578	50 HYA	14 09 53.730	-27 01 36.38	-0.000	9 -0.038		1				1	ASI		182875	1 .	
2579	55 HY	14 44 27 678	3 - 25 24 55 90	-0.000	6 -0.020	5.67	1	1				GSIII	1	182882		-1
	56 HY	14 44 49.286	5 - 25 52 44 • 62		1 -0.009			E 0	٠,١		i	B9V	1	182883	1	- [
2580	57 HY		-26 26 16.69		9 -0-015		1	5.78	וי		1	AM	1	1A3058	ים 📗	
2581			3 -27 27 28 17	-0.003	1 -0.014	5.68			١,			ÂM		183099		- 1
2582		14 59 07.22	8 -27 51 49.82		1 -0.041		2		12		2	GK1	i ·	136964		ı
2583	1 00		3 -05 41 26.92	+0.000	2 -0.058		2	6.72	2	7,85	15	ASM	1	156221		١
2584		10 44 24 91	8 -17 01 57.59	-0.001	7 -0.018		١.	1	1	1		AO	با ا	1		. 1
2585	-B- 1 HY	10 49 38 98	8 -18 04 00.59	-0.003	6 +0.004	6.55	4		1.	انجال	٦	F6V	1 7	156301		- 1
2586	-B- 2 HY		0 -19 52 08.84	+0.005	3 -0.244	5.24			2			GAIII	ł	154622		
2587	-B- 3 HY		6 -13 21 49.74		7 -0.016							1		182911		- 1
2588	12 D HY		1 -27 45 11.94		1 -0.062		2	5.81					1	136221		- 1
2589	1 58 E HY	A 14 47 20.72	07 03 00 05	-0.000	5 -0.001	4.61	2	5.45					-	177469		
2590	F HY	A 08 41 13.00	2 -07 03 09:05		7 -0-164		1 2	5.81	2	2 6.98						
2591	G HY	A 09 25 00.99	5 -22 07 24.74	-0.002	3 -0.008			4.66	2	4.08				177840		
2592	I HY	A 09 38 59.99	7 -23 21 48.43	-0.002	5 -0-116	4.75			12	7.59	2			182483		. 1
2593		A 14 20 12.50	8 -27 31 31.63		9 -0.026									182570		
2594		A 14 25 14.27	7 -29 16 04.77	-0.001	1 -0.10		1		1	1	1	DF1	-	182855		
2595		A 14 43 06.02	9 -25 13 55 15	-0.011	1 -0 00	7.2	1		. 1			DF9		182856		
2596		A 14 43 06.57	0 -25 14 00.12		3 -0.08		1	1:			- [DF7		179967		
2597		A 11 29 47.08	3 -28 59 20 98		2 +0 -13				- 1			DF6		179968		
		Al 11 29 47.39	71-28 59 12•71		3 +0 • 14			5.73	1.	2 6.40	2		/	136768		
2598	<u> </u>	A no 18 02.49	2 -09 20 33 65		13 -0.03									18169	5 DV	
2599 2600			2 -23 01 24.51	-0.004	11 +0 -01	L 4.97	י ויטי	6.58	י עי	1,000	'' I *	3,,,,,				

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAO C.T.NO.	STAR PROP.	1
2601	S HyA	08 50 57.491	+03 15 30.38	-0.0007	+0.010	7.3	4					M3E	. 4	117236	V	
	T HYA		-08 56 58.07	-0.0015	1	7.3	4					M3E	4	136414	- V	1
2602 2603	U HYA		-13 07 26 18	+0.0020		4.82	2	7.51	2	13,29	2	C7-3		156110	٧	ı
2604	V HYA		-20 59 04.92	+0.0004		6.0	4	4.5				N	4	179278	V	ı
	W HYA	13 46 12.222	-28 07 06.51	-0.0028		7.1	4					MBE	4	181981	DV .	1
2605 2606	X HYA		-14 28 03.52	-0.0066		8.0	4		٠.	: :	1	M7E	4	155319	٧ -	1
2607	Ŷ HYA		-22 46 56.91	-0.0013		6.5	4			100		NP	. 4	178088	٧	1
2608	Z HYA		-32 59 54.40	-0.0014		9.8	7				1			202820	٧ -	1
2609	AK HYA		-17 07 23.39	+0.0002		7.04	4					MB	4	154514	٧	
2610	AR HYA		-23 32 46.35	+0.0016		9.3	6			1.4		M4 .	6	177438	V	1
	BK HYA	11 17 37 727	-34 58 56.73	-0.0017		9.2	6			' '	li	K5	6	202329	V	1
2611	DV HYA	11 53 51 670	-33 59 46.28	-0.0005		10.0	6	1			l l	MA	6	202955	٧	
2612	EY HYA		+01 48 57.23	-0.0021		9.0	6				1	M5	6	117103	٧	1
2613	FK HYA		-08 21 27.36	-0.0021		7.5	6					MB	6	135876	V	1
2614			+05 07 06 15	-0.0040		8.7	6	5.5				М	6	116668	V	1
2615	FZ HYA GH HYA		-26 54 41 22		-0.024	8.8	6					M3	6	182107	V	1
2016			+02 26 34.49		+0.017	9.0	6					G4	7	116843	· V	ı
2617	GK HYA HQ HYA		-10 00 30.92		+0.033	6.31	2	6.64	2	6.81	2	A5	7	154105	V	I
2618			-18 50 18.55	-0.0032		8.3	6		-	- •		F5	6	155964	٧	1
2619	HS HYA		-07 48 32.10		+0.016	5.72	2	5.69	2	5.68	2	AP	-	136076	V	
2620	3 HV HYA		-21 06 41.97		-0.011	8.2	6		-			м3	- 6	178386	ν	1
2621	HW HYA HX HYA		-23 37 59.16		-0.032	8.0	6					M3	6	179035	V	
2622			-25 48 07.64		-0.014	7.53	4]	MB	6	179579	V	
2623	HY HYA	11 12 10 27	-25 28 48 20		-0.023	8.0	6	.				M3	6	179882	V	1
2624	HZ HYA		-26 28 17.95		-0.015	5.11	1	6.69	ŀ		1 1	MAIII	_	180208	V	١
2625	II HYA		-23 36 35 31		-0.044	7.7	6	8.70	7	9.34	7	K2IV	7	177412	V	1
2626	IL HYA		-06 09 00.57		-0.031	8.4	6				1	M6E-M7	7	135976	٧	
2627	RT HYA				-0.053	9.4	6		1		1	M6E	7	182327	V	1
2628	RU HYA	1	3 -28 39 01 06		-0.016	7.7	5	1.			1	MSII	7	136144	V	1
2629	RV HYA		2 -09 24 32.87 -25 07 28.59		+0.014	8.2	6	4.	1			.,,,,	•	181760	٧	1
2630	RW HYA		-08 03 35.87		-0.019	9.0	6				1. 1	A2	6	136572	V '	Т
2631	RX HYA		-23 23 31.30		-0.042	7.71	5		ı			B9	7	181708	D۷	ļ
2632	SS HYA		-25 46 17.39		+0.019	9.4	6	9.52	7			A5	6	180855	V	1
2633	SV HYA		2 -26 31 45.43		-0.021	8.6	6			1		A3	. 6	181919	V -	1
2634	SX HYA	1 7	26 11 34.84		+0.003	7.16	Ĭŭ.		1			A2	4	179648	٧	1
2635	TT HYA		-23 21 39.65		-0.059	7.20	4					A3	4	181797	V	
2636	TV HYA	F	-22 53 58.72		+0.041	8.9	6	1.5	1			A3	6	178701	V	
2637	VY HYA VZ HYA		-06 08 56 62		-0.001	9.1	6		1	1.		F5	6	136006	V ·	1
2638			1 -08 26 27·47		+0.028	1.970		3.420	1	5.140	1	K4III		136871	V.5	1
2639 2640	30 ALP HYA BET HYA		3 -33 37 47.13		+0.001	4.28	2	4.18	2	3.85		AOSI		202901	ם	
2641	46 GAM HYA		-22 54 29.88		-0.049	3.000		3.920		4.580		GSIII		181543	V?	1
2642	4 DEL HYA		+ +05 52 45 60		-0.012	4.17		4.17		4.19		AOV		116965	į.	1
2643	11 EPS HYA		5 +06 36 12.41 L		-0.055	3.380				4.430		GOIII+DF7		117112	D	1
2644	16 ZET HYA		2 +06 08 13.25		+0.010	3.100		4.100		4.920	1	KOII-III		117264	1 .:	1
2645	7 ETA HYA		5 +03 34 45 66		-0.005	4.300		4-100		3.360	1	B3V		117050	V?	1
2646	22 THE HYA		8 +02 31 34.63		-0.313	3.880		3.810	1	3.690	1	B9.5VP		117527	DV?	1
			2 -00 54 53.79		-0.069	3.910			1	6.680	1	KSIII		137035	٧?	
2647		1	9 -14 06 16 63		-0.024	5.05			2	4.32		B5V		155388		-
2648	38 KAP HYA	1 7	5 -12 06 22.55		-0.095	3.610						KOIII		155785	D	1
2649	41 LAM HYA 42 MU HYA		3 -16 34 49.56		-0.083	3.790						K4III		1559A0		
2650	1 42 80 114	10 23 70021	-5 5. 13.50				1	j	1	1	I		L	<u> </u>	<u> </u>	_1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2663 2663	NU HYA XI HYA OMI HYA 49 PI HYA 13 RHO HYA 5 SIG HYA 31 TAU-1 HYA 32 TAU-2 HYA 39 UPS-1 HYA PHI-1 HYA PHI-2 HYA	11 37 43.438 14 03 31.045 08 45 47.115 08 36 08.671 09 26 36.618 09 29 25.987 09 49 04.309	-15 55 53.45 -31 34 50.66 -34 28 02.58 -26 26 32.51 +06 01 25.07 +03 31 05.48 -02 32 58.04 -00 57 47.98		+0.0062 -0.0162 -0.0036 +0.0032 -0.0013	-0.042 -0.003 -0.144	3.110 3.540 4.70 3.280	1 2		1 2		1 2	K3III G7III B9		156256 202558 202695	D ?	
	2652 2653 2654 2655 2655 2657 2658 2659 2660 2661 2662 2663	XI HYA OMI HYA 49 PI HYA 13 RHO HYA 5 SIG HYA 31 TAU- 1 HYA 32 TAU- 2 HYA 39 UPS- 1 HYA 40 UPS- 2 HYA PHI- 1 HYA	11 37 43.438 14 03 31.045 08 45 47.115 08 36 08.671 09 26 36.618 09 29 25.987 09 49 04.309	-34 28 02.58 -26 26 32.51 +06 01 25.07 +03 31 05.48 -02 32 58.04 -00 57 47.98		-0.0036 +0.0032 -0.0013	-0.003 -0.144	4.70	2	4.63	2	4.41	2				ים	1 1
	2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663	OMI HYA 49 PI HYA 13 RHO HYA 5 SIG HYA 31 TAU- 1 HYA 32 TAU- 2 HYA 39 UPS- 1 HYA 40 UPS- 2 HYA PHI- 1 HYA	11 37 43.438 14 03 31.045 08 45 47.115 08 36 08.671 09 26 36.618 09 29 25.987 09 49 04.309	-34 28 02.58 -26 26 32.51 +06 01 25.07 +03 31 05.48 -02 32 58.04 -00 57 47.98		+0.0032 -0.0013	-0.144							p.O.		202695		
	2654 2655 2656 2657 2658 2659 2660 2661 2662 2663	49 PI HYA 13 RHO HYA 5 SIG HYA 31 TAU- 1 HYA 32 TAU- 2 HYA 39 UPS- 1 HYA 40 UPS- 2 HYA PHI- 1 HYA	14 03 31.045 08 45 47.115 08 36 08.671 09 26 36.618 09 29 25.987 09 49 04.309	-26 26 32.51 +06 01 25.07 +03 31 05.48 -02 32 58.04 -00 57 47.98		+0.0032 -0.0013	-0.144							D 2				1 1
	2655 2656 2657 2658 2659 2660 2661 2662 2663	13 RHO HYA 5 SIG HYA 31 TAU- 1 HYA 32 TAU- 2 HYA 39 UPS- 1 HYA 40 UPS- 2 HYA PHI- 1 HYA	08 45 47.115 08 36 08.671 09 26 36.618 09 29 25.987 09 49 04.309	+06 01 25.07 +03 31 05.48 -02 32 58.04 -00 57 47.98		-0.0013				4.400	11	5.440	1	K2111		182244	1	1 1
	2656 2657 2658 2659 2660 2661 2662 2663	5 SIG HYA 31 TAU- 1 HYA 32 TAU- 2 HYA 39 UPS- 1 HYA 40 UPS- 2 HYA PHI- 1 HYA	08 36 08.671 09 26 36.618 09 29 25.987 09 49 04.309	+03 31 05.48 -02 32 58.04 -00 57 47.98			-0.03	4.37	2		2		2	AOV		117146	סו	1 1
	2657 2658 2659 2660 2661 2662 2663	31 TAU- 1 HYA 32 TAU- 2 HYA 39 UPS- 1 HYA 40 UPS- 2 HYA PHI- 1 HYA	09 26 36.618 09 29 25.987 09 49 04.309	-02 32 58 04 -00 57 47 98		-0.0012	^ ^ 4				2		2	KZIII		116988		1 1
	2658 2659 2660 2661 2662 2663	32 TAU- 2 HYA 39 UPS- 1 HYA 40 UPS- 2 HYA PHI- 1 HYA	09 29 25.987 09 49 04.309	-00 57 47.98	ŀ			4 • 43	2			0.71	5	F6V		136895	ם	1 !
	2659 2660 2661 2662 2663	39 UPS= 1 HYA 40 UPS= 2 HYA PHI= 1 HYA	09 49 04-309			+0.0084		4 • 61	2		2	5.07	2		l		, D	1 1
	2659 2660 2661 2662 2663	40 UPS- 2 HYA PHI- 1 HYA	09 49 04.309			-0.0010			2		2		2	ASIII	i	136932		1 1
	2660 2661 2662 2663	40 UPS- 2 HYA PHI- 1 HYA	10 02 41-200	1-14 35 40 49		+0.0011	-0.031	4 - 11	2		2		2	GSIII		155542	l	1 1
	2661 2662 2663	PHI- 1 HYA		-12 49 17.50		-0.0029	+0.010	4 • 59	2	4.49	2	4.22	2	B8V		155713	٧?	1
	2662 2663			-16 36 59.36		-0.0073	+0.021	4.91	2	5.83	2			KOIII		156122		1 1
	2663			-16 05 05.81		-0.0021			2		2		1	GM1		156093	D	1 1
				-27 01 23.86		-0.0142			2		2	5.34	2	F4V		179514	D	1 1
	2004	CHI- 1 HYA				+0.0024			2		2	5.39	2	B 9	l	179522	ν	1 1
		CHI- 2 HYA		-27 01 02.11				5.11	-	3,05	-	7,07	-	GK1	ł	181410	1	1. 1
	2665	45 PSI HYA	13 06 21.343	-22 51 04.21		-0.0017			ا ۾ ا	6.19	2	7.40	2	K211-111	١.	117420		1 1
- 1	2666	18 OME HYA		+05 17 35.72	1	-0.0012		4.97	2	0.4 7.2	 	7.70	-	KCTT-TTT	1	255703	lν	1 7
	2667	Y HYI		-79 05 40.08		-0.0005		9.2	6		ا . ا	ا ـ مما	. 1		1	248474	l '	1 . 1
	2668	ALP HYI		-61 48 45.43		+0.0379		2.870		3.155		3.290		FOV			i	1 !
	2669	BET HYI	00 23 09.374	-77 32 08.50	ı	+0.6884		2.800		3.420		3.530		G2IV	l	255670		
	2670	GAM HYI	03 47 59.464	-74 23 33.53	1	+0.0130		3.250			1	6,835		MOIII	1	256029		1 /
14. N	2671	DEL HYI	02 20 51.202	-68 53 11.84	1	-0.0079	+0.008	4.09	2		2		2	A2V		248545	1	1 /
	2672	EPS HYI		-68 28 50 94		+0.0171	+0.009	4 • 11	2		2	3.91	2	B9III	1	248621	1	1 !
	2673	ZET HYI		-67 49 35.41		+0.0125	+0.043	4 • 84	2	4.90	2	4.99	2	A3	ļ	248644	1.	1. 7
	2674	ETA- 1 HYI		-68 11 25.10		+0.0047		6.7	4					AO	4	248455	V	
	2675	ETA- 2 HYI		-67 53 34 . 38		+0.0135		4.680	11	5.625	1	6.260	1	GBIII	i .	248460		1 /
		THE HYI		-72 05 51.69			+0.019	5.53	2	5.39	2		2	B8	l	255945	D	
	2676			-77 34 17.51			+0.066	5.52	2	5.96	2	5.96	2	F2	1	255973		1
)	2677	IOT HYI		-73 52 19.85			+0.013	5.01		6.10	2		2	KOIII		255880	l	1 7
	267B	KAP HYI		-75 11 43.48			-0.027	5.070		6.340		8.120	1	MIIII	l	255710		1 1
	2679	LAM HYI					-0.043	5.28	2	6.26	2	6.99	2	GHIII	1	255898	1	1 '
2	2680	MU HYI		-79 19 40 - 34				4.755		6.085		7.645		GK4	ľ	255929	Į.	1
3	2681	NU HYI		-75 16 16 59			-0-018		2		2	8.94	2	GM0		248518	4 .	'
2	2682	PI = 1 HyI		-68 04 28-80		1	+0.040	5.55		7.10				GK3	1	248521	l	1
5 I	2683	PI - 2 HYI	02 14 25.727	-67 58 40 23	1		-0.013	5.69	2		2		2		1	255835	1	1
.	2684	SIG HYI		-78 35 34.84			+0.054	6.16	2	6.60	2	6.61	2	F2	1		٥١	1 '
.	2685	TAU- 2 HYI		-80 25 25.82			-0.064	6.07	2	6.40	2		2	DF0	1	258280	-	1
>	2686	TAU -1 HYI	01 41 17.558	-79 24 01.01		+0.0206	+0.017	6.33	2	7.27	2	7,96	2	Ko		255806	Ρ.,	1
5	2687	T IND	21 16 52.207	-45 14 03.64	1	+0.0000	-0.006	7.2			ľ	i	•	NA.	1	230635	, V	!
3	2688	V IND		-45 16 42.50		-0.0062	-0.065	9.12	7		1		•	A5	6	230567	V	1
-3	2689	AK IND		-46 58 16.04		+0.0018	+0.009	8.0	6	1		1	1	MB	6	230547	V	1
ત્ર		RS IND	21 32 23.080	-70 33 28.78	1		-0.050	9.2	6		1	1	1	·		257941	V	
מ	2690	The second of th		-45 55 16.65			+0.006	9.6	6		1	1		G5	6	230428	٧	1 '
. 11	2691			-47 28 02.93			+01070	3.115		4.115	1	4.915	1	KOIII	1	230300	D	1
	2692	ALP IND		-58 38 40 20			-0.022	3.650		4.900		6.120		KOIII		246784	1	1
	2693	BET IND	20 30 33,000	-50 30 40 20			+0.043	6.10		6.440	Ī			FOIII		247031	. V.	1
	2694	GAM IND		-54 52 39.96			-0.005	4.390	ا و ا	4.680	1	4,760	1	FOIV		247244	D	1
	2695	DEL IND		-55 13 53.02				4.690		5.750		6.740		K5V		247287	1	1
	2696	EPS IND	21 59 33.047	-56 59 33 64			-2.555			6.400		8.255		GK5	1	230391	ļ.	1
	2697	ZET IND	20 46 02.971	-46 24 48 08			+0.027	4 .885						DA9	1	246719	1	ı
	2698	ETA IND	20 40 22.692	-52 06 04-59	'		-0.055		2	4.78	2	4.87	2	UA 3	1	246964	0	1
	2699	THE- 1 IND	21 16 18.228	-53 39 35.85	1		-0.067	7.2	1 4		١,		١,	1	l	246965	lő	1
	2700	THE- 2 IND	21 16 18.874	-53 39 37-51		+0.0121	-0.068	4.39	2	4.58	2	4.70	12	I A4V		E#0300	1 "	1

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N		B N	-	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	l G
	IOT IND	20 47 53.819	-51 47 45.74	+0.0010	-0.010	5.16						GK1		246762		
2701		22 02 21.317	-59 52 44.27	+0.0070	-0.053	5.60				1.5		K5		247303		1
2702	KAP IND	21 01 34 302	-54 55 34.61	+0.0013		5.20				· ·		GK2		246854	l _	1
2703		22 20 21.963	-72 29 58.85	+0.2890	~0.586		2	5.94	2	5.88	2	GOV		258033	D	
2704	NU IND Omi ind	21 46 35.522	-69 51 48-68	-0.0041		5.53	2	6.90	2	8.53	2	KSIII		255087	1	1
2705	PI IND	21 52 44.415	-58 08 14-62	+0.0026	+0.015	6.34				41 T	- 1	A M?		247230	ł	1
2706	RHO IND	22 51 12.632	-70 20 29 10	-0.0077	+0.073	6.05	2	6.71	2	6.95	2	G1V	l '	258084		1
2707		22 13 47.175	+37 29 57 05	+0.0009		4 - 13	2		2	7,21	2	K3II-III		72191	۱ ـ	1
2708		22 18 57.336	+46 17 03.53	+0.0020		4 • 56	2		2		2	B6IV.		51904	D.	1
2709	2 LAC	22 22 29.025	+49 13 20 68	-0.0010		4 • 58	2	4.67	2	4.33	2	B9IAB		51970		1
2710		22 27 26.535	+47 27 01.65	+0.0003		4 - 37	2		2	7.15	2	MOIAB+B		52055	٧?	
2711	5 LAC	22 29 19 477	+42 51 59.90	-0.0007	+0.002	4.51	2	4.42	2	3,68	2	B2IV		52079		
2712	6 LAC	22 33 38.561	+39 22 30 24	+0.0002		5.73	2	5.58	2	4.68	2	BIVE	1	72509	DA5	
2713	8 A LAC	22 33 38 333	+39 22 07.92	-0.0008		6.45		6.310	ŀ			B2V		72508	D	1
2714	B LAC	22 35 18-813	+51 17 11.75	-0.0061		4+63	2	4.87	2	4.98	2	A7IV		34628	l _	1.
2715		22 37 00.772	+38 47 22.43	-0.0000		4.88	2	4.68	2	3.63	2	09V		72575	ם	1
2716		22 37 00 772	+44 00 53.45	+0.0085		4.46	2	5.79	2	7.15	2	KSIII		52251		1
2717	11 LAC	22 41 51.369	+41 33 23.08		+0.008	5.12						KOIII	1	52317	D	1
2716	13 LAC	22 41 01 000	+41 41 17.87	+0.0007		5.91	2	5.99	2	5.48	2	B3IV?		52412	٧?	1
2719	14 LAC	22 40 00.140	+43 02 46.84	+0.0098		5.02		1.5		1		GM0		52436	D	Т
2720	15 LAC	22 49 40.307	+42 06 25.04		+0.013	8.3	4		ŀ			M5E	4	52298	V	1
2721	R LAC	22 41 02.034	+40 03 34.34		+0.022	7.6	4		1			M5E	- 4	52048	V.	1
2722	S LAC	22 20 77.013	+34 09 40.93		+0.022	9.2	6	1,	1					72272	V	ļ
2723	T LAC	22 20 00.702	+56 03 25.20		+0.011	8.8	6	9.48	7	4		G5	6	34841	ν.	1
2724	V LAC	22 40 33.220	+56 09 48 66		+0.008	8.7	6	9.53	7		100	G5	6	34850	٧	
2725	X LAC	22 47 00.330	+50 48 00 • 12		+0.004	8.8	6	9.36	7	1		F8	6	34106	٧	1
2726	Y LAC	22 07 07 67 212	+56 34 04.93		+0.001	9.0	6	9.88	7		1	F5	6	34693	٧	1
2727	Z LAC	22 30 33 6212	+45 29 45 02		+0.035	6.3			1		١.	K2III+F8	1	51684	V	1
2728	AR LAC		+43 12 17.15		+0.013	8.8	6	9.62	7		1		1	51539	V	1
2729	BG LAC		+44 18 42.36		+0.034	8.0	6		1	1	1	A2	6	51531	V	Т
2730	CM LAC	21 58 03.559	+56 33 42.12		+0.005	9.4	6		1		١	B8	6	34798	V	Т
2731	CO LAC	22 44 20.070	+42 19 50 69		+0.000	8.8	6	1			1		١.	51524	V	
2732	CS LAC	21 57 39 866	+39 51 43.96		+0.009	7.9	l ē	1	l.			K5	6	72053	V	. [
2733	CX LAC	22 05 50 61	+39 57 49.82		+0.003	5.25	2	5.11	2	4.24	2	B2III	1	72627	, V	
2734	12 DD LAC	22 39 14.01	+41 20 11.97		+0.004	5.58	2		2	4.61	2	B2IV		52512	VO	-
2735	16 EN LAC		+48 24 59.85		+0.000	5.48	_	5.420		1		B2?PE	l .	52526	V	ı
2736	EW LAC	55 24 21.200	1 +45 23 51.62		+0.017	8.6	6		1		Ĭ.	MB	6	51913	V	1
2737	FW LAC		+55 19 35.12		+0.010	8.8	6	1	1	1		AOP	6	34741	V	1
2738	GL LAC		5 +56 35 18.70		+0.009	9.4	6	1	1	1	1	B5	6	34790	V	-1
2739	GX LAC	22 44 15.60	+46 59 27.21		+0.045	6.52	4	7.56	7	8.28	7	KOIII	7	51628	V	-
2740	HK LAC		5 +46 30 05.27		-0.016	6.12	2	7.72	2		2	GM8		51632	V	1
2741	HT LAC	55 00 TI-OTI	+56 10 16.01		+0.002	9.0	6	9.70	7		1	G 5	6	34699	V	I
2742	RR LAC		7 +43 38 55.02		+0.012	8.8	6		1		1	G5	6	51563	}	
2743	RT LAC		1 +52 29 03.56		+0.006	8.8	6		1		1	A0	6	34598	V	
2744	RZ LAC	22 33 30.33	4 +37 40 18 88		+0.005	8.8	6		1		1	G5	6	72820	V	-
2745	SW LAC		0 +34 55 42.43		7 -0.003	8.3	6	1.00	1		1		ı	72857	V	
2746	SX LAC	22 53 39.39	1 157 67 07 07		7 +0.004	9.0	6					N3	6	34966	V	-
2747	TV LAC		1 +53 57 43.47		5 +0.000	9.5	6	1	1					72615	V	I
2748	VX LAC		5 +38 03 39 60		+0.023	3.770		3.780	1	3.780	1	A2V		34542	D	1
2749	7 ALP LAC	22 29 13.55	8 +50 01 29.96		8 -0.183	4.44	2		2		12	G9111	1	34395	1	-
2750	3 BET LAC	22 21 35.31	7 +51 58 40.98	1 -0.001	-0.103	7.74	15	1	15	1 ~	1-	1	.1	1	1	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	> 2		B N	~ .	N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	1
		00 25 49.476	+08 24 26 • 61	-0.0022	-0.036	5.71	2	6.75	2	7.65	2	GKO		117718	D	1
2751	3 LEO	09 23 47.410	+14 36 13.46	-0.0026		6.18		6.220				A1V		98662	D	1
2752	7 LEO	09 33 09.009	+16 39 46.66	-0.0008		5.72						GK1		98673		1
2753	8 LEO	09 34 17.202	+24 53 45.43	-0.0075		6.60	4					F8	4	80935		I
2754	9 LEO	09 34 38 428	1.07 03 70 18	-0.0041			2	6.05	2	6.92	2	KIIII		117807	٧?	1
2755	10 LEO	09 34 34.351	+07 03 39 18		-0.089	6.60	4					F2	. 4	98683		1
2756	11 LEO	09 35 17.660	+14 34 26 81		-0.037	6.28			1 1		. 1	GK2		80970		
2757	13 LE0	09 38 46-124	+26 08 29+20		+0.011	5.60	1		1			GK4		98755	1	-
2758	18 LEO		+12 02 28.52		+0.001	6.45	2	6.88	12			A3N		98767		1
2759	19 LE0		+11 48 01.42		-0.016	5.92	-	J.0	-			A85		81035	D.	1
2760	20 LEO	09 47 12.362	+21 24 48.09		-0.010	6.66	4		1 1			AO	4	98806	1	1
2761	21 LEO		+12 04 35.92		-0.012	6.55	'		1			GM0		98809		1
2762	23 LE0		+13 18 03-11		-0.019	7.6	4		Ιi			G5	4	98874	1	-
2763	26 LE0	09 55 28.730	+15 27 38 - 33			6.44	ĺż	6.90	2	6,92	12	F6V		98991	D	١
2764	34 LEO	10 08 56.972	+13 36 09.71		-0.040	5.87	٦	1 0.70	_	0,12	-	DG2		81260	1	1
2765	35 LEO	10 13 46.346	+23 45 08.39		+0.031	5.51	1.				1	GM1		99034	1	
2766	37 LE0	10 13 59.806	+13 58 42.16		-0.020		2	6.32	2	6.27	2	DF3		81270	D	1
2767	39 LEO	10 14 29.721	+23 21 27.73		-0.105	5.82		5,25	2	5.26	2	F6IV		99065	٧?	١
2768	40 LEO	l in 17 01.010	+19 43 31 • 21		-0.220	4.80	2			3.20	-	AIV		99080	V?	ı
2769	42 LEO	10 19 09.063	+15 13 42.20		-0.020	6.08	١.	6.090			2	GK3		118269		1
2770	43 LEO	10 20 23.494	+06 47 49.72		-0.104	6.07	2	7.19	2	8,32	١٤	GM2		99172	V?	1
2771	46 LEO	10 29 31.730	1 +14 23 40 08		+0.018	5 • 54	1.				١,	GBII-III		118376	1 '	- 1
2772	48 LEO		+07 12 42-41		2 +0 • 057	5.08	2	6.01	12	6,65	2		ш	99229		- 1
2773	50 LEO	1	+16 23 17.91	+0.0038	3 -0.024	6.62	4		1		١.	F2	4	81583	ما	-
2774	54 A LEO		+25 01 00 .80	-0.005	-0.016	4.511		4.531		4.541	12	AIV		81584	۱ŏ	1
		10 52 55-016	+25 00 58-11		-0.030	6.301	2	6.321		6.331	12	A1N			ő	-
2775	54 B LEO		+01 00 14.31	+0.0069	-0.004	5.91	2	6.33	2	6,31	2	DF3		118574	v	- 1
2776			+00 42 00.53		0.005	6 • 86	4			1 1		K0	4	118577		
2777	57 LEO	11 04 59.281	+23 35 39 69		+0.004	6.30		6.470	1		1	AM		81681		i
2778	64 LEO		3 -01 03 43.01		7 -0.009	6.75	4		1		1	A2	4	138015		-1
2779	66 LEO		+24 55 46.21		3 +0.001	5.64	1	5.700	1			ASIII		81692	D	- 1
2780	67 LEO	11 00 00.000	7 +17 42 41.85		3 -0.020	7.04	4					Ko	4	99577	l	- 1
2781	71 LEO		7 +23 22 05.98		6 -0.010	4.63	2	6.29	2	8.14	12	MSIII	Į.	81736	V?	٠,
2782	72 LEC		7 1423 22 03.90		5 -0.148	5.18	2		2	8.54	12	MOIII		118764		1
2783	75 LEQ		+ +02 17 08 63		7 -0.059	5.91	2		12	7.82	2	GK0		118778	4	- 1
2784	76 LEC	11 16 20.93	0 +01 55 29.43		5 +0.001		2		12	6.99	2	GG7		118831		
2785	79 LEC		6 +01 40 57.05		5 -0.045		2		12		2	ABN		118851	1	- 1
2786	80 LEC		8 +04 08 08 22		2 -0.012		1		1			DF2		99601		- 1
2787	B1 LEC		1 +16 43 53.78		1 -0.055		4		10		4	A2	4	118847	l l	-
2788	B2 LEC		7 +03 34 36 07		3 +0.177		2	4	2	7.63	2	DKO	1	118864	D	- 1
2789	83 A LEC		7 +03 17 08.98		4 +0.169		14		-	1	1	KO	4	118865	D	- 1
2790	83 B LE		8 +03 16 43.06				1		1	1.	1	GK4		99629	1	
2791	85 LEG	11 27 05.64	8 +15 41 22.82		0 -0.050				1	1	1	GKO	1	99637	1	- 1
2792	86 LE	1 1 27 52 56	9 +18 41 06.97		0 +0.012				1		1	DF7	l	99648	ס	
2793	88 LE	11 29 10.09	1 +14 38 35.50		8 -0 - 194			6.23	2	6.24	2	DF5	ļ	118929		.
2794	89 LE	11 31 48.37	0 +03 20 16.99		3 -0.107				2		2	B3V	1	99673	D	
2795	90 LE	1 11 32 06.40	3 +17 04 24 58		8 -0.002			3.73	٦	1 3.14	1	KOIII	1 .	a1941		- 1
2796	92 LE	11 38 11.18	7 +21 37 50 48		4 -0.046				1.	5.36	2	A +65111-	ł	81998	1	ı
2797	93 LE	11 45 24.46	1 +20 29 48.73		7 -0.008				2			FAIII	ſ	98964	l o	.]
2798	31 A LE	10 05 15.13	1 +10 14 36 35		5 -0.065				2		2	AM	1	81637	1 -	- 1
2799	60 -B LE		6 +20 26 54 17		8 +0.032				2		12		ı	118615	Ь	
2800	59 -C LE		3 +06 22 13.55	-0.003	4 -0.029	4.99	2	5.15	2	5.26	2	A2	1	1110015	1 "	•

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

Activities to the second			STAR DESIGNATION	10 1110 0.	M											1
NUMBER	STAR DESIGNATION		DECLINATION P	RA PM	DEC PM	11-0n-	V N	BLUE MAG.	B N		U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
		- 57 50 707	.03 53 10 00	+0.0008	-0.020	4.84	2	6.00	2	7.12	2	KIIII		118610		
2801	58 -D LEO	10 57 58.703 11 27 45.521	-02 43 30-71	+0.0011			2		2		2	KAIII	1	138238		1
2802	87 -E LEO	11 27 43.521	130 12 10-19	-0.0014		5.60		5.720				A3V		61656	· '	1
2803	15 -F LEO	09 40 37.667	130 12 19 17	+0.0005		5.25		5.480	1		١.	A5V	1	81054		ì
2804	22 -G LEO	09 29 16.852	109 56 14.06	-0.0003		5.12	1		1			KSIII	1	117751	D	
2805	6 -H LEO 52 -K LEO	10 43 46.476	+14 27 33.03	-0.0087		5.47					1:	GG4	1	99282		
2806 2807	52 -K LEO 53 -L LEO	10 46 37.797	+10 48 37.01	-0.0004	-0.028	5 • 28	- 1	5.290			ı	A2V	1	99305	1	1
2808	51 -M LEO		+19 09 20 - 39	+0.0068		5.45			1	1.0	1	GK3	1	99525	}	1
2809	73 -N LEO	11 13 15.007	+113 34 50 - 27	-0.0005	-0.013	5.34					l	KSIII		99869	İ	1
2810	95 -0 LEO	11 53 06.284	₹15 55 30.08	+0.0006		5.47		5,570			ايا	A3V	1	137871		1
2811	-P- 1 LEO	10 51 10.905	-01 51 46.93	-0.0058	+0.009	5.45	2	6.41	2	7.18	2	GG6	1	137947		
2812	61 -P- 2 LEO	10 59 16.600	-02 12 53 94	+0.0009			2	6.37	2	8.29	2	KSIII	1	118634	1	1
2813	62 -P- 3 LEO	11 01 03.021	+00 16 07.46	-0.0040			2	7.17	2	8.49	2	GK3 GG7		118668	م ا	1
2814	65 -P- 4 LEO	11 04 21.165	+02 13 38 29	-0.0256			2	6.48	2	7.14 5.34	2	AO	1	118731	1	1
2815	69 -P- 5 LEO	11 11 11.950	+00 12 09.95	-0.0031			2	5.39	اعا	3.34	٦	GMBE	1	98769	V	
2816	R LEO	09 44 52.230	+11 39 41-87	+0.0001		5.0	7		1		1	A	6	80927	V	1
2817	Y LEO	09 33 58.564	+26 27 26.73	+0.0015		10.09	7					Mo	6	81057	V	1
2818	Z LEO	09 49 16.360	+27 08 29 60	+0.0019		9.0	6					1.0	1	98890	V	1
2819	AC LEO	09 57 30.383	+17 42 00 - 78	-0.0012 -0.0346		10.0	6		1		Ì	M4E	6	g1292	V	1
2820	AD LEO	10 16 53.900	+20 07 19.18	-0.0001		8.9	6	•		1		MB	6	99725	V	1
2821	AI LEO	11 37 53.632	+11 28 21.02	-0.0001		8.7	6			1	1	МВ	6	99730	V .	1
2822	AK LEO	11 38 13.201	+13 21 18.79		+0.007	9.4	6				1			98873	V	-
2823	AL LEO	09 55 27.805	+18 31 49.02		-0.043	9.1	6		1	1		F8	6	99413	V	1
2824	AM LEO	10 59 54.100	+10 09 53 20 +05 25 21 53		-0.068	8.5	6				ı	G0	6	118649	V	1
2825	AP LEO		+20 46 05.82		-0.002	8.8	6		1	1	1	K7	6	82039	l v	1
2826	CV LEO		+10 01 04.88		-0.002	6.03	1	5.970		:		AP	1	99136	עם	
2827	45 CX LEO		-04 01 25.39		-0.008	8.9	6		1.	1		M5	7	138245	, v	1
2828	CZ LEO		+09 02 22.81		-0.041	5.61	2	7.23	2	9,19	2	GM3	1.	118286	V	4
2829	44 DE LEO		-02 56 05.22		-0.016	9.0	6		1		L	MC	\$ 5	137968	Ιον	1.
283 ₀ 283 ₁	49 TX LEO		+08 54 33.43	-0.0038	-0.010	5.67	2	5.72	2	5.77	2	A2	1 -	118380	V	.]
2832	UV LEO	10 35 40.995	+14 31 39.52		+0.005	8.8	6	1	1			G5	6	99244	v	
2833	UZ LEO	10 37 53.923	+13 49 41 - 12		-0-037	9.3	6			1	_	MSIII		118576	lv	
2834	56 VY LEO	10 53 25.721	+06 27 09.31		-0.012	5.81	2	7.26	2	8.26	2	MB	6	99874	lv	1
2835	WX LEO	11 53 38.203	+16 00 28.02		-0.039	8.5	6	1.240	١.	0.880		B7V	"	98967	DV2	
2836	32 ALP LEO	10 05 42.647	+12 12 44.54		+0.003	1.350		2.220		2.300		VEA		99809	DV?	
2837	94 BET LEO	11 46 30.605	+14 51 05 80		-0.119	2.140		3.443		4 443		KOIII		81298	D	. 8
2838	41 GAM- 1 LEO	10 17 13.120	+20 05 42.86		0.151	3.483		4.633	il:	5 63		G7111		81299	D	- 8
2839	41 GAM- 2 LEO		+20 05 39.68		2 -0 • 173	2.560		2.680	آآة	2.790		A4V	1	81727	٧?	-
2840	68 DEL LEO		+20 47 52.67		-0.015	2.980		3.790		4.250		GOII		81004	1	1
2841	17 EPS LEO		+24 00 19.62		0.012	3.440		3.750		3.940		FOIII	1	81265	1	1
2842	36 ZET LEO		+23 40 01.93		-0.006	3.530		3.490		3.28		AOIB	1	98955	1	
2843	30 ETA LEO		+17 00 26.17 +15 42 11.38		-0.083	3.350		3.330		3,410	1 1	A2V	1	99512	1	
2844	70 THE LEO	11 11 31.000	+10 48 17.56		-0.079	3.940				4,421	1	F2IV		99587	DV?	
2845	78 IOT LEO		7 +26 23 55.31		-0.050		2	5.69		7.00	2			80807	D	1
2846	1 KAP LEO		3 +23 11 22 21		8 -0.042	4.31	2	5.85	2		2	KSIII		80885	V?	-
2847	4 LAM LEO		+26 14 36.08		0-0-060	3.880	1	5.10	0 1	6.50	1	KZIII		81064	1	
2848			7 +12 41 02.93		7 -0.020	5.17	1	5.13	0 [1	1	B9.5V KOIII		98876	V2	ľ
2849						5.68										

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	STAR		. ASCEN.	DECLINATION DEG MN SEC	P N	RA PM	DEC PM		N	BLUE MAG •	B N		U N	SPECTRAL	S N	CAT.NO.	PROP.	N
UMBER	DESIGNATION	HR			1 -1	0.007	-0.041	3.520	1	4.010	1	4.220	1	A2+F611		98709	ס	1
2851	14 OMI LE	0 09	38 29.008	+10 07 14.64	1	-0.0097 -0.0022	-0.036		2	6.30	2		2	M2III	1	118044	V?	
2852	29 PI L	A 1 A 4	57 34.334	+08 17 05.76	21 1	-0.0006	-0-020	3.850		3.710	1	2.760		BIIB	1	118355	٧.	
2853	47 RHO L	A 1 A	30 10.762	+09 33 52.22	- 1	-0.0064	-0.015		1	3.990		3.860		B9V		118804	1	1
2854	77 SIG LI	0 1 1 1 i	18 33.490	+06 18 13.06	?	+0.0011	-0.017		2	5.95	2	6.75	2	GBII-III		138298		
2855	84 TAU L	0 11	25 21.928	+03 07 54 52	;	+0.0001	+0.038	4.30	2	5.31	2	6.05	2	G9III	1	138102	D -	1
2856	91 UPS L	A 44	34 23.255	-00 32 51 1		-0.0075	-0.041	4.47	2	4.68	2	4.83	2	ATITI-IV	1	118648	DV?	1
2857		A 11	14 07.105	-03 22 40.70	?	-0.0230	-0.050	4.63	2	4.96	2	5.04	2	F2III-IV	1.	98733		1
2858	63 CHI L		02 26.300	+07 36 24-10		+0.0002	-0.007	5.41					_	GM2	1	117717	l n	
2859			41 00.63	+14 15 05.00	íl I	+0.0036		5.41	2	6.01	2	6.15	2	DF8	1	61529		1
2860			25 46.830	+09 16 32-0		-0-0014	-0.049	5.80			ı		١.	GG8	ł	61540	1	1
2861		-	27 42.23	+33 52 35.96 5 +35 19 31.3	5	-0.0046	-0.107	5.37			1	1 1 12	1	GM1	1	61561		1
2862		1 - T	28 30 17	+36 42 34.8	<u> </u>	+0.0025	-0.039	6.26			1_	1		GK4 GBIII	1	61570		1
2863		1I 09	30 26.55	+36 37 14.3	A	+0.0005	-0.026	4 • 55	2	5.47	2	6.10	12	GBIV-V		61586	D	1
2864		77 1 7	31 09.90	+36 02 14-7	ادّ		-0.248	5.41	2	6.18	2	6.62	2		1	61648	1	1
2865			32 39.99	1 +35 19 22.7	īl	-0.0014	-0.052	5.95	İ		1		1	DF1 K0	1 4	43030	1	8
2866			39 42.20	6 +45 20 51.6	īl	+0.0052	-0.134	6.80	4		1.	1	١,	Ĝiv	7	43046	1	8
2867			45 31.10	3 +46 15 18.1	3	+0.0216	-0.095	5.10	2	5.72	2	5,80	2	K5	4			ł
2868			45 22.44	7 +39 51 55.8	7	-0.0001	+0.005	6.76	4	1	1		1 -	FO	4]
2869		7 7 7	47 09.90	0 +38 09 00.2	3	-0.0047	-0.022	6.74	4	1			1		1		1	8
2870			49 20.10	0 430 07 0002	اه		+0.010	6.60	4	1 .	1.			F2 F5V		43115	ļ	
2871			53 35.67	0 +32 37 20 · 0 0 +41 17 40 · 8	31	-0.0106	-0.029	5.14	2	5.60	2	5.60	12	G4V	1	61808		
2872		MI 09	54 3/ • / 6	5 +32 10 13.6	<u> </u>	-0.0414	-0.433	5.35	2			6.29	2	A7V	-	61874	V2	1
2873			28 00-01	3 +35 29 21.4	3	+0.004	1 +0.001	4.49	2	4.67	2	4.74	2			61953		1.
2874			04 29.10	0 +31 43 01.4	<u></u>	-0.002	9 -0.006	6.41	Į.		_1_		1	GG3 AOV	İ	81258		1
2875		MI 10	12 14.33	8 +29 33 37.3	G la	-0.005	7 -0.028	5.30	1	5.31	0			DGO		81259		
2876			13 24.27	4 +28 56 00 •	7	-0.004	2 -0.093	6.38	1		ľ		1	A3	ı	62010		
2877			13 30.33	6 +34 09 40 4	7	-0.001	0 -0.011	5.69	1			1	١.	GKI	1	62019	1	-
2878			20 13.00	0 +33 58 19.	19	-0.001	6 -0.008	5.56	١.	e la companya da sa sa sa sa sa sa sa sa sa sa sa sa sa		1.7		KO		62037		1
2879	1 -0	., .		4 +35 40 50 •	15	-0.009	0 -0 - 068	6.57	14		٠١,		2	Fov	1	62038	.	1
2880				1 +34 03 05+	101	-0.005	7 -0.066	4.74	2	4.99		5.17	16	AUTII	1	62076		
2881	1 -0		0 23 03.20	3 +39 10 54+	+3	-0.001	6 -0.007	5.87	1	5.94				A2V	-1	62121		
2882	1		n 30 39.69	4 +35 14 48+	44	-0.002	5 -0.011	5.53	1	5.55	וטי			DF3	1	62147	·	ĺ
2883		MI 1	0 33 29.6	6 +36 35 12	12	+0.002	9 -0.042	6.15	١.		- 1	1		l Ko	- 1	62167	·	1
2884			0 35 02.30	59 +34 20 19	20	-0.001	9 +0 - 004	6.65			,	2 6.08	2	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		62173		
2885			0 35 54.6	72 +32 14 11.	49	+0.000	1 +0.002	4.72	2	3.50	' I'	- 0.00	-	DF8		62178		-1
2886		117	n 36 16.4	52 +38 10 16+	BUL	-0.018	7 -0.044	5.72	١.,				- [-	A2		4 81463		-
2887	(0 37 35.20	67 +27 47 11•	08		4 -0.005		4	5.60	امر		-	A5V		81485		- 1
2888			0 40 17.3	37 1+26 35 19•	14	-0.007	8 -0.06	5.43		5.05			1	AZV	- 1	81490)	1
2889			0 40 42-0	18 +23 27 02.	52	-0.008	5 +0.00	5.01		5.25				BOV		62236		
2890	· •	14T 1	n 43 05.3	40 i+30 56 46•	23		9 -0 - 04			3.2	70		- 1	SGK1	i	81533		
2891			0 46 11.9	85 1+29 40 51•	91	-0.006	6 -0 - 04	6.16	1				- 1	DAB		81548		
2892			n 47 09.0	82 +28 14 18 •	501	-0.000	4 +0.02	6.04					1:	667	-	6231		- 1
2893		LMI 1	0 52 11.6	90 +34 18 07•	64	-0.00	9 -0.05	5.72				1	1	A M	-	81570		. 1
2894			n 51 59.4	341+25 45 26•	6/	-0.009	-0.00	1 6.09 9 6.22			ŀ			KO	1	8159		.
2895		7251 3	0 53 51 A	271+25 46 03.	091		8 -0.01			4	- 1			60	- 1	4 8165		- 1
2896		1 7 1	1 10 35.5	38 1+25 28 21 •	801	-0.02	96 -0.07	7.49			- 1			F5		4 8167		
289		LMI 1	1 04 23.7	54 +25 48 28	4/1	-0.00	49 -0.02	1 6.73	' 1	5.9	3al			ADIV		6210		
289		1	0 29 01.3	291+32 38 124	3/1	+0.00	11 +0 • 00	1 5.85 9 6.3		4 3.3				M7E	1	4 6166	9 V	- 1
2899 290		LMI	0 42 34.6	91 +34 44 34	30	-0.00	12 +0.00	7 0.3		. [l							-

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

			STAR DESIGNATIO	N2 MMD 3	IAK DATA	ONDENTE										
		Corn.	DECLINATION P	RA	DEC	VISUAL	V	BLUE	В	0.	υļ	SPECTRAL	S	SAO	STAR	G
	STAR	RT. ASCEN.	DECLINATION P	PM	PM	MAG.	N	MAG.	N	MAG.	N	CLASS	N	C T.NO.	PROP.	L _N
NUMBER	DESIGNATION	HR MN SEC	DEG MN SEC N	L to								-:		61508	٧	
		05 00 700	:36 22 44.93	+0.0008	+0.010	8.0	6		. !		- 1	MR	6		v	1
2901	RS LMI		30 22 44.93	-0.0008		8.5	6				_ 1		_ 1	62013	v	l
2902	RV LMI		+30 06 09.43	+0.0006		6.16		7.77	7	,	7	M4IIIA	7	62206 62053	ם .	1
2903	RX LMI		+31 57 32.92 +36 57 50.87	-0.0100	-0.105	4.21	2	5.11	2	5.76	2	GBIII-IV		62297		l
2904	31 BET LMI		1 24 60 05 62	+0.0069		3.830	1	4.870		5.790	1	KOIII-IV	ı	170010		Į.
2905	46 OMI LMI		+34 29 05.62	+0.0039	+0.023	5.75	2	6.95	2		1	GK1		150396		Į .
2906	1 LEP		-22 51 55.02		+0.003	5 • 25	2	5.04	2		. 1	B2IV				1
2907	8 LEF	05 21 12.77	-13 58 22-07		-0.045	5 • 55	2	5.55	2			AO		170506	l .	1
2908	LEF		-20 53 57.85	-0.0007	+0.017	5.87	2	5.98	2		1	A2		170715	V?	1
2909		05 40 07.63	3 -22 23 47.88	-0.000	-0.003	4.93	2	5.17	2			A2P		151093	٧:	1
2910	LEF	06 02 45.16	2 -16 28 46.70		+0.053	5.31		6.970	į		1	GM2		151142	v	
291	19 LEF		4 -19 09 31.25	A0.0010	+0.020	6.0			ļ	1		C7-4E		150058	v	1
2912		04 57 19.72	7 -14 52 47.48	+0.0016	-0.019	6.0			ì	1	ļ	M6		171222	ľ	1
2913		06 03 41.86	2 -24 11 22.98	-0.000	-0.035	7.5	4			1	1 .	M7E	4	170041	ľ	1
2914		05 02 43.17	2 -21 58 18.75	10.000	-0.005	9.1	6		1	Į	1	M	6	170116	ľ	1
291	LEI Y LEI		2 -24 29 16.23	+0.002	-0.012	9.2	6		1		1	A0	6	150220	ľ	1
2916		05 09 52.10	2 -13 15 29.70	+0.0000	+0.055	5.68	Ī	7.120		l	1	GM6	-	150206	l v	1
291		05 09 02.72	7 -11 54 35.85		+0.040	8.23	5		ı	1.	1	F0	7	170854		1
291	i RY LEI		1 -20 02 22.25		+0.001	2.570		2.770	1	3.020	1	FOIB		150547	D	1
291	1	pl n5 30 31.39	4 -17 51 24.18		5 -0.091	2.840		3.660	1	4.130	1	GSIII		170457	ū	1
292		Pl n5 26 06.09	0 -20 47 52.90	-0.000	2 -0.373	3.600	-	4.070	1	4.080	1	F6V		170759	יי	1
292	13 GAM LE		3 -22 27 48.30		-0.650	3.850		4.830		5.540	1	GSIII		170926	l	1
292		Pl n5 49 10•19	3 -20 52 55.23			3.190	_	4.650		6.420		KSIII		170051	V?	1
292		pin5 03 20.56	3 -22 26 12.86	+0.001	3 -0.071 6 -0.003	3.55	1 ē	3.65	12			A3V		150801	1	1
292		Pl 05 44 41•25	6 -14 50 21 19			3.720		4.050				FOV		150957	ì	ı
292		Pink 54 07.55	4 -14 10 31 67		4 +0.136	4.67	1 ż	4.72	12		12	A1V		151110	1 _	1
292		el na 03 53.46	1 -14 55 45.55	-0.001	+0.016	4.44	2	4.35	12		12	BeV	}	150223	D	
292		pl ns 09 57.80	9 -11 55 39.95		4 -0.016	4.36	1 -	4.26	1 2		2	BaV		150239	ח	1
292	• • • • • • • • • • • • • • • • • • • •	Pl ns 10 55.23	12 -12 59 57.16		4 -0.010	4.29		-	2		2	BO.5IV		150340	1	
292	-	Pl 05 17 16.19	0 -13 13 37 19	-0.000	7 -0.003	3.29		3.180				AP	1	150237	1	-1
293		P 05 10 41.0	3 -16 15 47 97		3 -0.027			3.10	٦ ٦		1	B7?V?NN		150345	}	1
293		ol ns 17 39.7	18 -12 21 55.61	-0.000	9 +0.008	5.29		1				GTIII	١	158528		- 1
293	• I	B 14 20 43.9	L4 -11 29 12·00	-0.000	9 -0.063	6.30		-	1	1	ŀ	КО	4	182735	1	
293		B 14 36 28.4	03 -24 48 47.93	+0.002	1 -0.025	8.09		5.74	ام	i i	1	B9	l	182795		1
293	~ ~	R 14 40 19.7	67 -24 47 08•49		4 -0.005			7.7.	٦.	1 .	ļ	GK2	1	158788		-
293	T 1	A 14 43 12.0	51 -15 14 59 84		4 -0.005			.1	1	1		KO	4			1
293	J -	B 14 49 02.6	581-18 09 01:41	-0.001	0 -0.005	6.82		5,93	1 2	6,63	2	GBIII-IV	1	140176		1
293		B 14 48 25.2	51 -02 05 30.76		4 -0 -127			1	1]	1	GK2	l	182983		1
293		B 14 51 25.5	03 -24 26 20.00		7 -0.031			4.81	1 :	4,85	2			140240		1
293	·	B 14 54 34.0	881-04 08 38•37		9 -0.158			10*	1'	- 7,00	-	AO	1	158935		- 1
29		R 14 55 30.5	44 -10 57 18 86		0 -0 019	1 1 1		ľ	-		-	K3III-IV	1	158946		1
294		TR 14 56 11.0	58 -10 56 39 18		71 -0.066			J	1	-[1	AO	4			
29	A	D 15 04 01.2	82 - 16 17 30 91	-0.00	-0.016	6.63		7.15	: ا	2	i	DG4	1	183275		ĺ
29		PA 15 10 32.9	851-25 07 19.22		93 -0 - 0 73	1 -		6.20		2	1	A2	1	159105		
29		TR 15 10 27.9	54 -19 27 38 01		57 -0 - 0 4 3			6.29		-	J	B9		159122		
29		TR 15 11 44.1	341-17 34 59.22		17 -0.018			7.19		e l	- 1	GG8	1	159187		- 1
29	.5 1	rei 15 18 03.2	44 -17 58 42 • 19		09 -0.06				- ['	-		K2	1 4			-
29		TRI 15 20 14-1	59 -14 57 24 85		02 +0.01		' 1	`		1	ı	KSIII		159280) [
29	,,,	TR 15 25 25.9	101-16 32 36.71		11 -0.03			•			1	FOP	1	159292	: [ı
	.0	TR 15 26 44.7	32 -17 16 10 98	-0.00	51 +0.00	7 - 23	- 1	'	1	1	1	666	1	159307	7 -	
29	19 00	IB 15 27 50 .	43 -16 26 21.35	+0.00	11 -0.00	5 5.86	'		- 1	1	- 1	1	L			上
29	JU J4	•		- 1	1										-	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

JMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	PN	RA DEC PM PM	VISUAL MAG.	2		B N	MAG.	N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	
2951	36 LIB	15 31 35.056	-27 52 47.95	1	+0.0011 -0.036	5.19						GK4		183580		T
		15 31 26.466			+0.0205 -0.241	4.62	2	5.63	2	6.48	2	K1IV		140609	1	ı
2952	37 LIB				+0.0059 -0.080	5.38	2		2	6.78	2	GBIII	- 2	159411	V?	-
2953	41 LIB	15 36 01.533 15 37 19.173	1-17 UO 19-10	'	-0.0013 -0.018	4.96	2		2	7.80	2	GK4		183686		Į
2954	42 LIB				-0.0012 -0.024		2		2		-	B5V?		159572	D	4
2955	47 LIB	15 52 06.681					2		2	6.02	2	F8V		159625	-	1
2956	49 LIB	15 57 30.952			-0.0442 -0.396	5.48			2		2	AO		140897		1
2957	50 LIB	15 58 05.433			-0.0012 -0.018	5.55	2	5.60	عا	5.55	٢	AU :		159561	V	1
2958	R LIB	15 50 45.767	-16 05 19.49	וי	-0.0021 +0.014	9•5	4			1 1 1 1 1 1 1 1					ľv	-1
2959	S LIB	15 18 31.171	-20 12 32.3		-0.0038 +0.011	8.0	4					M2E	4	183401	١v	١
2960	V LIB	14 37 34.862	-17 26 35.9	5	-0.0012 +0.004	9.0	7			100			١	158719	ľ	ı
2961	EH LIB	14 56 21.520	-00 44 57.2	7	-0.0008 -0.026	9.3	6	9,48	7		l	A5	6	140257	v	-
2962	EI LIB	15 31 25.452	-22 50 02.5	3	+0.0006 -0.012	9.2	6					A2	6	183578	4 ·	١
2963	ES LIB	15 14 03.148			+0.0006 -0.002	7.0	6					A2	6	159146	V	-1
2964	48 FX LIB	15 55 23.102			-0.0010 -0.019	4.87	2	4.77	2	4.61	2	ВР	1	159607	V	
2965	RV LIB	14 33 01.226			-0.0016 -0.029	9.8	7		l		1	G5	6	158665	V	1
2966	UW LIB	14 28 08.377			+0.0009 +0.006	9.0	6		ľ		l	KO .	6	158607	V.	
		14 47 54.959			-0.0070 -0.072	5.16	2	5.57	2	5.53	2	F5IV	1	158836	D.	٠.
2967	8 ALP- 1 LIB	14 48 06.447	15 50 06 5	31	-0.0075 -0.071	2.750		2.900		2.990		AM	1	158840	D .	
2968	9 ALP- 2 LIB	14 48 00.447	12 20 00.3		-0.0066 -0.023	2.610		2.500		2.130		B8V		140430		
2969	27 BET LIB	15 14 18.732						4.930		5.670		GBIII-IV		159370	ם	.
2970	38 GAM LIB	15 32 43.474			+0.0043 +0.003	3.910					2			140270	V :	
2971	19 DEL LIB	14 58 17.808			-0.0045 -0.009	4.93	2	4.93	2	4.82		AO		159234	١ '	
2972	31 EPS LIB	15 21 29.016			-0.0048 -0.158	4.94	2	5.38	2	5.40	2	F5V		159335	1	
2973	35 ZET LIB	15 30 05.435			-0.0009 -0.018	5.50	2		2	1 1 1 1 1 1		B2VNN				
2974	44 ETA LIB	15 41 15.348			-0.0025 -0.067	5.41	2		2		١.	A5M		159466	1	1
2975	46 THE LIB	15 50 58.435	-16 35 02.8	וו	+0.0068 +0.129	4 • 16	2	5.17	2	5.99	2	KOIII-IV	ŀ	159563	2112	
2976	24 IOT LIB	15 09 21.946	-19 36 13.7)	-0.0027 -0.043	4.54	2	4.46	2	4.08	2	ASI	1	159090	DV?	
2977	43 KAP LIB	15 39 03.636	-19 31 05.6	2	-0.0027 -0.107	4.72	2	6.30	2	8.24	2	K5III	1	159442	٧?	
2978	45 LAM LIB	15 50 25.602	-20 01 08.7	o l	-0.0008 -0.027	5.03	2	5.02	2		1	B3V	1	183895		
2979	7 MU LIB		-13 56 30 4		-0.0044 -0.019	5.38		5.440				A P+AP	l	158821	D	
2980	21 NU LIB		-16 03 51.0		-0.0031 -0.025	5.28	1		1		1	KSIII	1	159028	1	
2981	13 XI - 1 LIB		-11 41 43.9		-0.0038 -0.015	5.84	1	1			1	GG7	I	158887	1	
			-11 12 32.6		+0.0004 +0.004	5.63	1	100			1	K4III	1	158915	1	
2982			-15 22 09.6		+0.0015 +0.021	6.11	1		١.	1	ı	A6N		159191	ļ	
2983	29 OMI LIB				-0.0054 -0.047	3.270	١,	4.980	1	6.940	1	MAIII		183139	l v	
2984	20 SIG LIB		-25 05 12.2		-0.0011 -0.033	3.650		3.470		2.780		B2.5V		183649		
2985	40 TAU LIB		-29 36 53.5			3.570		4.960		6.550		KSIII	1	183619	р	
2986	39 UPS LIB		-27 58 15.3		-0.0006 -0.002				2	7.12	2	KOIII	1	225062	0	
2987	-A LUP		-45 55 00.9		-0.0014 -0.023		2	0.44	۱۴	1.12	1-	GSIII	1	241992	l b	
2988	-B LUP		-52 10 23.8		-0.0018 -0.088	5.20	1	1			1	A2V	1	242120	1 "	
2989	-C LUP		-52 36 29.2		+0.0035 -0.002	5.56	۱.	1	١.		١.		1	225950	D	
2990	-D LUP		-44 47 33.6		-0.0024 -0.032	4.540		4.360		3,680		BSIV	1		"	
2991	-E LUP		-44 18 47-1		-0.0032 -0.031	4.820		4.650		3.980		BSIII	1	225539		
2492	2 -F LUP	15 14 46.871	-29 57 58.3	6	-0.0007 -0.010	4.33	2		2	6,50	15	GKO	1	183346	V2	
2993	-G LUP		-44 29 50-1		-0.0167 -0.263	4 - 640	1	5.040	1	5.020	1	F5IV-V	1	226064		
2994	-H LUP		-37 15 57.6		-0.0043 -0.021	5.31	1	1	1	1		GKO	1	206887	1	
2995	1 -I LUP		-31 20 01.9		-0.0004 -0.003	4.91	2	5.28	2	5,57	2	FOI	1	206445	1	
2996	-K LUP		-38 33 28.6		-0.0045 -0.019	4.60	12	4.60	2	4.54	2	AOIV	1	206616	1	
		15 40 18 174	-37 00 42.7	او	+0.0021 -0.036		6		1		1	MB	6	206905	V	
2997	FQ LUP				-0.0007 -0.013		6	1			ł	60	6	225707	V	
2998	FW LUP		-40 44 53.2		-0.0013 -0.027	- I	2	5.49	2	1	1	B9V		225647	V	
2999	GG LUP		3 -40 36 23.2				16	"""	1	1		G5	6	242485	V	
3000	GH LUP	15 20 56 507	7 -52 40 38.8	0	-0.0005 +0.004	(• 0	10	1	ı	1 .	i	1 33	1 "	1	1	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
	GM LUP	15 01 27.884	-40 39 59.93	-0.0014	-0.042	6.41	2	7.87	2			GM4		225422	v	
3001		15 42 55.581			-0.010	10.0	6	27.3						226172	V	
3002	RX LuP		-47 10 29.32	-0.0017		2.300		2.100	1	1.220	1	B2II		225128	DV	
3003	ALP LUP		-42 56 02.06	-0.0034		2.680		2.460		1.610		B2IV		225335		1
3004	BET LUP	15 31 47 990	-41 00 00.97	-0.0014		2.780		2.580		1.760		B2VN		225938	D	1
3005	GAM LUP	15 18 04.851	-40 28 04-92	-0.0014		3.220		3.000		2.130	1	B2IV		225691	٧	1
3006	DEL LUP	15 10 04:001	-44 30 40.20	-0.0018		3.370		3.190		2.460	1	B3IV	•	225712	D ·	1
3007	EPS LUP			-0.0116		3.410		4.330		4.990		GSIII		242304	D	1
3008	ZET LUP		-38 15 19.98	-0.0019		3.410		3.190		2,350		B2V	1	207208	D .	1
3009	ETA- 1 LUP			-0.0027		7.69							ŀ	207209	D.	1
3010	ETA- 2 LUP		-38 15 05 34	-0.0016		4.230		4.050	١, ا	3.370	1	B2VN		207332		
3011	THE LUP	16 03 18 108	-36 40 04.52	-0.0013		3.550		3.370		2.650		BSIV		224833	V?	1
3012	IOT LUP		-45 49 41.82			3.874		3.844		3.724		B9V	1	225525	D	9
3013	KAP- 1 LUP		-48 32 57 • 11	-0.0097		5.774	5	5.744	2	5.624		AÓ		225526	Ō:	9
3014	KAP- 2 LUP	15 08 28.350	-48 33 18 67	-0.0103	-0.042			3.870		3.190		B3V		225483	l o	
3015	LAM LUP		-45 05 19.99	-0.0015		4.050			2	3.81		B8	ł	225638	D	i
3016	MU LUP	15 15 02.583	-47 41 33 44	-0.0025		4.27	2	5.50	2	3.01	٦	DF7		225703	1.	1
3017	NU - 1 LUP	15 18 38.610	-47 44 50 48	-0.0135		5.00		6.30	2	1.0	i .	G2V		225697		1
3018	NU - 2 LUP	15 18 25 192	-48 08 05 84	-0.1615		5.65	2	5.267	2	5.347	,	A1		207144	D	9
3019	XI - 1 LuP	15 53 41.256	-33 49 17.51	+0.0015		5-177	12	5.628		5.708		ÃÔ		207145	l o	9
3020	XI - 2 LUP		-33 49 10 - 11	+0.0016		5.538		4.190		3.580		B6111?	l	225248	lő	li
3021	OMI LUP	14 48 21.892		-0.0019		4.330					2	B5IV+B5IV	1	225426	D	9
3022	PI LUP	15 01 42.170	-46 51 24.82	-0.0019		3.89	2		2			B5V	1	225071		1 1
3023	RHO LUP	14 34 30.605	-49 12 32.68	-0.0031			2	3.90	2	3.34	2	B2V	1	241781	1	1
3024	SIG LUP	14 29 14.049	-50 14 11 84		-0.013		2	4.23	2	3.39 3.620	15	63111		224919	V	1
3025	TAU- 1 Lu?	14 22 54.967	-44 59 46 85		-0.015	4.560		4.410				DF7	1	224920	D'	
3026	TAU- 2 LUP		-45 09 15•94		-0.011	4.350	. 1	4.780	1	4.960]+	AOSI		206597	Ď	
3027	UPS LUP	15 21 28.446			-0.050	5.38			1.		1.		1	206552	l b	1
3028	PHI- 1 LUP	15 18 37.512	-36 ₀ 4 53 19		-0.087	3.560		5.100		6.970		KSIII	1	206580	1 "	1
3029	PHI- 2 LUP	15 19 57.180			-0.025	4.540		4.390		3.770		B5V		207040		
3030	5 CHI LUP		-33 28 35.36		-0.032	3.950		3.910		3.770		AP	1	206843	1	1
3031	3 PSI- 1 LUP	15 36 35.033			-0.004	4 67	2	5.67	2	6.40	2	GG8		206889		
3032	4 PSI- 2 LUP		-34 33 05 21		-0+032	4.750		4.610		4.070		B6V		226004	ם	
3033	OME LUP	15 34 40.555	-42 24 17:46		+0.058	4 • 33	2	5.76	2	7.48	2	MOIII	1	25665	V2.	1
3034	2 LYN	06 15 12.749	+59 01 54 • 24		+0.025	4.48	2	4.49	2	4.52	2	A2V	١.,	13818	V.	
3035	3 LYN	06 17 30.382	+61 47 08.84		-0.112	7.15	4		1 -			FO	4	25678	D	
3036	4 LYN		+59 23 46+56		+0.004	5.93	1	1,1			١.	A2			D	
3037	5 LYN	06 22 27.087	+58 26 49.89		-0.009	5.33	1.			1	l_	K4III	1	25733 25771	1	1
3038	6 LYN	06 26 26 741	+58 12 07.46		-0.336	5.88	2	6.82	2	7.48	2	KOIV			i	
3039	7 LYN	06 30 23.285	+55 23 32.05	+0.0004	+0.003	6.38	1			1	1	I KO	1	25814	1	
3040	8 LYN	06 33 07.503	1 +61 31 40.35	-0.0284	-0.278	5.91		6.810	Н			\$GG7	1	13897		
3041	9 LYN		+56 25 41 18		-0.054	6.53	4		1		1	F2	4	25829	ļ	
3042	11 LYN	06 33 23.589	+56 54 01.58		+0.011	5.77	1	l		1		AO	1	25842	D	
3043	12 LYN	06 41 49.358	+59 29 41.90		3 -0.003	4 • 87	2	4,95	2	5.02	2	A2N	1	25939	"	J
3044	13 LYN		+57 13 25 14		7 -0.039	5.38	. 1 .		٠,			KOIII-IV		25947	D	1
3045	14 LYN		+59 30 37 68		-0.040	5.38		1	1_	1		GGO		26012	l b	1
3046	15 LYN	06 52 57.126	+58 29 26+92		-0.136	4 • 35	2	5.20	2		2	G5III-IV		26051	V2	
3047	16 LYN		5 +45 09 40.72	-0.002	1-0.001	4.90	2	4.93	2	4.98	2	A2V	1.	41463	1 "	
3048	17 LYN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+ +60 52 24.38	-0.001	L -0.050	6.73	4		1		1	Ko	4	14095	1	
3049	18 LYN		+ +59 43 44.86		8 -0.259	5.22	1		1			KZIII	1	26248	1_	1
3050	19 A LYN		1.55 -0 40 77		2 -0.031	5.61	1	1	1	1	1	B8	1	26312	D	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N		B N	~ 1	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	
	5 5 1 1 1	07 10 06 083	+55 22 51+68	+0.0005	-0.n26	6.53						A0		26311	D.	
3051	19 B LYN		+49 18 46.66	-0.0012		4.64	2	4.62	2	4.60	2	A1IV		41764	1	1
3052	21 LYN	07 26 08 560	+49 46 40.59	+0.0118		5.36	2	5.81	2	5.75	2	F6V		41808	1	1
3053	22 LYN	07 26 08.300	+57 11 57.00	-0.0018		6.06	_					GK5	1	p6459		1
3054	23 LYN	07 30 47 235	+58 49 47.02	-0.0047		4.99	2	5.07	2	5,16	2	ABIII		26474	Ð	ı
3055	24 LYN		+47 31 02.53	-0.0017		F.23						GK2		42055		ı
3056	25 LYN	07 50 51.445	+47 41 46.35	-0.0048		5.555						GK4		42058	· ·	١
3057	26 LYN		+51 39 09+91		-0.007	4.84	2	4.89	2	4.89	2	A2V		26687	D .	1
3058	27 LYN	08 04 42.307	113 01 00 79		-0.032	6.20	_				10.0	l Ao		42174		1
3059	28 LYN		+43 24 20 - 78		+0.001	5.52	- 1			Aller Aller		A5		26756	1	1
3060	29 LYN		+59 43 35 42		+0.012	5.89				100		DF2	l	26784		1
3061	30 LYN		+57 54 03.90 +43 21 00.83		-0.100	4.25	2	5.80	2	7.71	2	KSIII		42319	i .	
3062	31 LYN				-0.004	6.06	_		_			DF1	1	60896	1	1
3063	32 LYN				-0.048	5.71		5.750	1	n. **		AZIII	l	60907	1.	İ
3064	33 LYN		+36 35 33.31		+0.088	5.35		31,33				GBIV		42490		1
3065	34 LYN		+46 00 39 49		+0.044	5.17						KOIII		42576		1
3066	35 LYN		+43 54 51 14		-0.036	5.19		5.050				A1	ł	42759	1	1
3067	36 LYN		+43 25 30 92		+0.146	6.05	-	3,000		1 2 2		DF3	ŀ	27215	D	1
3068	37 LYN		+51 28 35 39		-0.127	3.820	1	3.880	1	3,930	1	A3V		61391	D	1
3069	38 LYN						4	3,000	1	3,200	_	В9	4	42825	ם ו	1
3070	39 LγN	09 19 08.230	+49 45 31 88		-0.003	6 • 86 5 • 43	7	F. 177 A		100 000	l	665		42876	"	1
3071	LYN		+45 49 18 84		-0.127	5.18				100		A6N	1	42958	1 .	١
3072	42 LYN	11	+40 27 55.05		+0.002	5.36				4. 18 × 3		GSIII		61636		ı
3073	LYN		+39 59 12 85		+0.005	6.5	4					SE	4	26097	V	П
3074	R LYN	1	1 +55 24 06 74		+0.000	6.9	4					MB	4	41784	ν	1
3075	Y LYN	1 . T	1 +46 05 35.76		+0.020	5.64	2	5.88	2	6.00	2	AM	1	25731	. v	1
3076	RR LYN		+56 18 51 47		-0.015	8.8	6	5,00	-	0.00	Ι-	мс	6	41678	. V	-
3077	RS LYN		5 +48 36 38 02		-0.004	8.3	6				l	M2	6	25893	V	
3078	SU LYN	1	+55 31 24 87		-0.035	6.8	6			1 11	1	МВ	6	60532	V	1
3079	SV LYN		1 +36 29 10 23		-0.037	8.9	6	250			ļ.	F2	6	42180	V	- [-
3080	SW LYN		5 +41 56 46.98			8.9	6	9.16	7			F2	6	42201	V	1
3081	SZ LYN		2 +44 37 09.70		-0.026	6.66	4	3.10	'		l	AOP	7	42408	V	١
3082	TZ LYN	08 27 52.020	1 440 23 38 48		-0.041	9.0	6				1	1	1	61222	l v	-
3083	UV LYN		5 +38 17 47 83		+0.010	6.90			7			GM3	1	13787	V	1
3084	1 UW LYN		9 +61 32 03.51		-0.004	6.70	4	8.17	17		1	M6III	7	1	V	١
3085	UX LYN		1 +38 56 28 00		+0.013	3.130		4.680	' '	6,630	11	MOIII		61414	\ \sigma	-
3086	40 ALP LYN		5 +34 36 18.56			5.02	2		2	5.30	Ž	A7	1	48011	D	-
3087	16 LYF		1 +46 51 46.94		+0.083	5.00	-	3.2.	-	3,00	-	DA7		67835	0	١
3088	17 LYF		5 +72 25 18.11			5.74		5.680			1	AOSI	1	67946	1	١
3089	19 LYF		2 +31 11 55 92		+0.001	4.000	•	5.590		7.000	1	MSIII	1	47919	V	1
3090	13 R LYF		8 +43 52 45.51		+0.084	7.8	4] ",","	1		1	N3	14	67087	V	1
3091	T LYF	18 30 36.18	5 +36 57 38 89		5 -0.013	8.8	6		ľ		1	M3E-M6.5	7		· v	1
3092	W LYF		0 +36 39 12.05		7 +0.003	9.0	6		1		1	MB	6	67243	V	- [
3093	EY LY!		6 +31 37 29 94		+0.072	8.9	6		1	111	1	G5	6	48190	V	-
3094	FL LY	19 10 3/.58	3 +46 14 18 17		3 -0.028	8.6	6			1	1	1	1	67056	V	1
3095	KP LY	18 29 11.02	3 +38 36 13.75			8.8	6				1		i	67609	V	- 1
3096	OQ LYI		4 +31 08 01.59		2 +0.011	8.7	6					MB	6	1	V	-
3097	OU LY	19 09 44.31	4 +32 31 46.77		0 -0.184	7.2	4	7.34	7		1	F5	4	48421	V	. 1
3098	RR LY		0 +42 41 11.91			8.8	6	,,,,,	1	1		1 -		48466	l v	1
3099	TT LY		0 +41 35 55.51		B +0.006	5.8	۱			1		CM4	1	67193	V	١
3100	XY LY	RI 18 36 27.28	0 +39 37 22 79	+0.000	1 +0.006	3.0	1		I	1	ı	1	1		1	- 1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	144	D	P N	RA DEC PM PM	VISUAL MAG.	V	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
	V 398 LYR	19 06 31.368	139 04 27.22		-0.0001 +0.011	7.55	4		П			M6	7	67859	٧	Ι
3101		18 35 14.655	438 44 00.68		+0.0171 +0.285	030	1	0.030	1	0.030	1	AOV		67174	DV?	t
3102	3 ALP LYR	10 40 13 035	+33 18 12.51		+0.0000 -0.002	3.420		3.420		2.850		B PE	i	67451	DV	1
3103	10 BET- 1 LYR		+33 17 33 28		-0.0003 -0.004	7.78	4			1 - 1		B7V	1	67453	D	1
3104	10 BET- 2 LYR		+32 37 11.26		-0.0005 +0.002	3.240	1	3.190	1	3,110	1	B9111		67663	DV?	
3105	14 GAM LYR				-0.0001 -0.003	5.51	_ :		1		1	B3	١.	67537	V?	
3106	11 DEL- 1 LYR	18 31 30 072	+36 54 29.15 +36 50 02.93		-0.0011 +0.010	4.30	2	5.97	2	7.62	2	MATI		67559	D۷	1
3107	12 DEL- 2 LYR	18 32 43 207	+39 37 00.09	1	+0.0011 +0.059	5.06	-		[-	'		A2		67310	D	ı
3108	4 EPS- 1A LYR	18 42 40.013	+39 37 03.39	1	-0.0001 +0.059	6.02						A4		57309	D	1
3109	4 EPS- 18 LYR				+0.0003 +0.064	4.496	1	1		100	ļ :	A3+A5	ŀ	67315	DV?	1 '
3110	5 EPS- 2 LYR		+39 33 33.98 +37 33 06.27		+0.0020 +0.024	4.36	2	4.55	2	4.71	2	AM		67321	?עם	
3111	6 ZET- 1 LYR	18 43 02.939	+37 32 28.32	1	+0.0015 +0.019	5.74	2	6.02	2	6.08	2	FOIV	1	67324	DA5	1
3112	7 ZET- 2 LYR	18 45 04.779	130 53 30 00		+0.0000 +0.003	4.38	2	4.24	2	3.57	2	BZIV	1	68010	DV3	1.
3113	20 ETA LYR		+39 03 32 09		-0.0005 +0.004	4.37	2	5.62	2	6.85	2	KOII		68065		1
3114	21 THE LYR		+38 02 37 02		-0.0003 -0.001	5.17	٦	5.060	1	"""	[B7IV	1	67834	1	1
3115	18 IOT LYR		+36 01 14.52		-0.0016 +0.043	4.34	2		2	6.70	2	KZIII	i i	56869	٧?	1
3110	1 KAP LYR	18 18 00.455	+36 02 27.36		+0.0008 +0.013	4.96	-	""	-		1	KSII		67682		1
3117	15 LAM LYR		+32 04 28 02		-0.0019 -0.007	5.05	i	5.080				ASTIT		66943	1	1
3118	2 MU LYR		+39 28 43.85		+0.0002 -0.008	5.80		1 3.000	1.			B2	1	67441	ח	
3119	8 NU - 1 LYR	18 4/ 54-152	+32 45 14 11	1	-0.0010 -0.014	5.14	l	5.200	1		1	A3V	1	67446	D .	ı
3120	9 NU - 2 LYR	18 48 00.801	+32 29 31 • 74	1			2	6.18	2	6.07	2	AIV	1.	258418	v	1
3121	TZ MEN	05 39 50 784	-84 48 57.74		-0.0074 +0.047	6.20	2	5.81	2	6.14	2	G5V	1	256274		1
3122	ALP MEN		-74 44 12.46		+0.0310 -0.211	5.09		6.31	2	7.08	2	KO KO	'	256154		1
3123	BET MEN		-71 22 58 14		+0.0007 +0.025	5.31	2	6.32	2	7.50	2	K4III	1	256201	ס	ı
3124	GAM MEN		-76 22 40.30		+0.0318 +0.285	5.19	2	6.53	2	7.06	2	KOP	1	258372	1	1
3125	DEL MEN		-80 19 58 75		+0.0063 +0.064	5.69 5.53	2	6.81	2	8.23	2	K2		256415		
3126	EPS MEN		-78 59 27 44		-0.0114 +0.010		2		2	5.99	2	A4IV		258451		
3127	ZET MEN	06 44 14.538	-80 45 48.14		-0.0074 +0.057	5.64		6.99	2	8.81	2	KGIII		256145		.
3128	ETA MEN		-75 00 52.73		+0.0072 +0.058	5.47	2	5.50	2	5.43	2	AO		256355	İ	1
3129	THE MEN		-79 21 01-00		-0.0032 -0.002		2		2		2	B9	1	256214		1
3130	IOT MEN		-78 50 55 65		+0.0034 +0.018	6.05	2	5.39	2	5.15	2	B9		256248	i i	
3131	KAP MEN		-79 22 19.42		-0.0073 +0.066	5.47		7.61	2	8.58	2	Ko	1	256239	1	1
3132	LAM MEN		-72 43 00 84		+0.0047 +0.020	6.53	2	5.42	2		2	BOIV		256122		1
3133	MU MEN		-71 01 22.82		+0.0030 +0.034	5.54	2	6.14	2		2	A5M	1.	258378	1	
3134	NU MEN		-81 41 45 12		-0.0001 +0.131	5.79			2		2	GSIII	1	258395	1	1
3135	XI MEN		-82 32 26 44		-0.0076 +0.008	5.85	2		2		2	GSIV	1	258421	1	1
3136	PI MEN	05 41 07.562	-80 30 32.66	2	+0.1113 +1.064	5.65	4	0.25	1	0.50	1-	M6E	4	189308	l v	
3137	T MIC	20 24 52.534	-28 25 39.22	-	+0.0009 +0.003	7.1	6	11.44	1,			PEC	6	212355	ľv	1
3138	AT MIC	20 38 43.685	-32 36 35.18	3	+0.0216 -0.331	8.4	6		1 7	10.79	7	MOVE	1 7	212402	υV	1
3139	AU MIC		-31 31 05 28		+0.0212 -0.348	9.5	6		1'	1-0-17	1	A3	6	212461	V	
3140	AA WIC	20 45 59.901	-33 55 03.36	<u>'</u>	-0.0007 +0.034	9.7	6				1	ĀZ	6	230477	V	
3141	ZZ MIC		-42 51 06.94		+0.0052 -0.064	4.89	2		2	6.62	2	667	1	212472	D	1
3142	ALP MIC		-33 57 58 21		+0.0008 -0.022	6.03	-	3.07	1-	0.02	15	A2		212499	"	
3143	BET MIC	20 48 52 686	-33 21 57 72		+0.0012 +0.017	4.67	2	5.56	2	6.10	2	GAIII	1	212636	D	
3144	GAM MIC		-32 27 16.32		-0.0000 +0.008		٦	3.30	12	0.10	1-	GKO		212709	1 -	1
3145	DEL MIC	21 03 00 214	-30 19 29 77		+0.0026 -0.069	5.71	2	4.77	2	4.79	2	A2P	1	212874	1	1
3146	EPS MIC	21 14 54 649	-32 22 57.73	2	+0.0045 -0.024	5.35	1.5	7.1	"	71.7	٦	DF2		212666		
3147	ZET MIC	20 59 46.618	-38 49 41.1	2	-0.0024 -0.110	5.56						GK2	1	230523	1	
3148	ETA MIC		-41 35 12-42		+0.0024 -0.013		2	4.84	2	4.77	2	AP	1	230644	lv.	
3149	THE- 1 MIC		-41 01 19.95		+0.0060 -0.003	4.82	2		2		-	AOSI	1	230667	D	1.
3150	THE- 2 MIC	21 21 13.966	-41 13 19.78	7	+0.0027 +0.003	5.76	٦	1 3012	1-		1.0	1	1	1 -3 -50,	1 -	i

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA DEC PM PM	VISUAL MAG.	N	BLUE MAG.	B	MAG.	2 2	SPECTRAL CLASS	5 N	SAO C-T-NO.	STAR PROP.	1
		20 45 06.202	-44 10 20 • 19	٦	+0.0173 -0.104	5.10	2	5.45	2			F1V		230379	ח	
3151		20 30 29.353			+0.0015 -0.035	5.30						669		230276		
3152	NU MIC	20 30 27.333	-09 33 37.00	. [+0.0007 -0.054	5.04	2	5.23	2	5.39	2	A M	1	132715	l	1
3153	2 MON	10 20 41 00 5	10 -5 "0 99		-0.0009 -0.002	4.94	2		2		2	BSIV		151037	D	1
3154	3 MON	05 59 29 204	-10 35 49.89		+0.0007 -0.007	6.77	4				l	A2	4	151154	ŀ	1
3155	4 MON		-11 08 13.64		-0.0006 -0.009	6.67			1			FO		151318		1
3156	6 MON		-10 42 19.15			5.26	2	5.07	2	4.32	2	B2V	F.	133114		ı
3157	7 MON		-07 48 01.79	- 1	-0.0007 -0.002		4	3.01	۱۴	7.52	I-	85	- 4	133267	1	Т
3156	9 MON	06 24 32.193	-04 19 27 73	.	-0.0004 -0.007	6.88		0.07	ا ۾ ا	, 10	2	BZV	1	133290		i
3159	10 MoN	06 25 29.351	-04 43 47.03		-0.0007 -0.000	5.05	2		2	4.10				114023	V?	1
3160	12 MON	06 29 39.948	+04 53 36 14		-0.0027 -0.007	5.83	2		2	7.61	2	KOIII	1		١ ،	1
3161	13 MON	ne 30 11.958	+07 22 16.36		-0.0002 -0.008	4.50	2		2			AOIB	1	114034	1 _	н
	14 MON	06 32 03.838	+07 36 46 81		-0.0008 -0.005	6.45	2	6.43	2	6.40	2	AO	1.	114085	יםן	ı
3162		06 43 48.773	+08 38 30 - 21	4	-0.0004 -0.008	5.93	2	5.76	2	5.07	2	B3V		114388	ł	ı
3163			+08 05 34 26		-0.0019 -0.014	4.77	2	6.17	2	7.82	2	K4III	1	114410	1	-1
3164	17 MON			1	-0.0014 -0.013	4.46	2	5.57	2	6.61	2	KOIII	ı	114428	· ·	1
3165	16 MON		+02 28 06 45		-0.0011 -0.001	5.00	2	4.80	Ιē	3.87	2	BIV	l.	134106	V?	ı
3166	19 MON		-04 09 54.91				2	5.95	2	6.73	ΙŽ	KOIII	1	134282	1 .	
3167	20 MON	07 07 44.624	-04 09 27.36		-0.0004 +0.214	4.92		5.75	2	5.89	2	ABN	1	134316	l v	-
3168	21 MON	07 08 50.243	-00 13 04.59		-0.0023 -0.013	5.46	2				2	GG5		134414	D	1
3169	24 MON	07 12 45.781	-00 04 22.96		-0.0016 -0.004	6.41	2	7.31	2	7.88			1	134899	D	
3170	25 MoN	07 34 47 496	-03 59 52.74		-0.0049 +0.014	5.12	2	5.56	2	5.68	2	F5III	1		1 "	
3171	27 MON		-03 32 31.18		-0.0039 -0.008	4.93	2	6.14	2	7.35	2	K2III	1	135345		
			-01 15 08.75		+0.0038 -0.077	4 • 67	2	6.16	2	7.93	2	K4TII	1	135380		
3172		1	-03 44 31.46		-0.0047 -0.027	3.900	1	3.880	1	3.850	1	AOV.	1	135896	1	
3173	30 MoN		, -03 44 31 40	-	3333 3332								1		1	- [
3174	31 MON		1.00 56 77 02		+0.0001 -0.007	4.66	2	4.42	12	3.35	12	07		114258	עמ	1
3175	15 5 MON	06 38 13.425	+09 56 37 02		+0.0010 +0.004	5.60	-	6.800		1	1	F7IAB	1	113845	V	Į
3176	T MON	06 22 31.027	+07 06 53.22				4	1	1		1	G5	1 4	134775	ν	
3177	U MON	07 28 24.264	-09 40 15-41		-0.0016 -0.004	5•6	4		1	100	1	MGE	4	133182	V	
3178	V MON	06 20 12.434	-02 10 10 00	i	+0.0017 -0.067	6.0			I	1	1	GM3E-M4	7	133942	ľ v	
3179	X MON	06 54 48.331	-08 59 48•39		-0.0023 -0.004	8.4	6				1	14.1 14.		133392	v	
3180	Z MON		-08 50 02.42	l	-0.0028 -0.008	8.6	6		1		1	K5	6		ľv	
3181	AP MON		-06 39 02.98	i	-0.0011 +0.020	8.7	6		1	l .		M2	6	134271	ľv	
3182	AR MON	07 18 20-454	-05 09 54.68		+0.0020 -0.009	8.8	6		1	í .		KO	6	134544		
	AU MON	06 52 22.469	-01 18 40.78		-0.0014 -0.021	8.8	6		1	1	1	B5	6	133887	V	
3183			+05 54 08 03	1 .	+0.0007 -0.026	6.77	3	7.10	3	6.44	3	B3	4	113974	٧	
3184	AX MON	1	5 -04 30 48.57	1	-0.0001 +0.000	9.0	16	1 7				NB	6	133825	V	
3185	GY MON	06 30 42.13	-03 15 01.97	ļ.,	-0.0001 +0.006	6.58	4		1 -		1	B5	4	133189	. V	
3186	IM MON	06 20 31.533	05 15 01.91		-0.0013 -0.025	9.0	6	1	1.	1	1	MA	6	133110	į v	
3187	KS MON		-05 15 46 52	l		8.6	6	1	1	1	1	MA	6	114409	V	
3188	MR MON		+01 35 05 08	1	-0.0010 -0.014		6	1				ΚO	6	114440	V.	
3189	PZ Mon	1 06 45 45.93	2 +01 16 32.69	l	-0.0019 -0.006	8.9		1	1	1		NB	7	114704	l v	
3190	RV MON	06 55 40.72	2 +06 14 08 25		-0.0018 +0.026	7.6	6	1	1	1	1		4	153273	v	
3191	SU MOI		7 -10 45 38-91	1	-0.0003 -0.007	8.7	6		1_	1	1	53-6	1 %	113757	l v	
3192	SV MOI		8 +06 29 40 68	1	-0.0012 -0.013	8.8	6		7	1	1	G5	6		Ìv	
3193	SX Mol		2 +04 49 31.93		-0.0009 -0.022	8.5	6				1	MB	6	114535	V,	
	TU Mol	1	9 -02 54 40.73		-0.0016 -0.007	8.8	6	1	1].	1	B8	1 6	135216		
3194		1	2 -07 22 03.86		-0.0017 +0.001	8.0	6		1	1	1	A3	6	135333	V	
3195	UX Mol				+0.0005 +0.010	6.11	2		2	6.50	2	F2II	1	132714	V	
3196	1 V 474 Mol	The second secon	0 -09 23 06 27		+0.0002 -0.019	7.5	6		1	1		B5	6	114378	٧.	
3197	V 505 Mol	1 06 43 13.36	8 +02 33 09.96				6		1		1	M2	6	114519	V	
3198	V 519 MOI	1 06 48 55.11	7 +00 01 40.45	1	-0.0004 -0.031	8 • 7		1		1	1	MB	6	133965	l v	
3199	V 523 Mol	06 55 43.60	3 -08 57 32.47	1	-0.0006 +0.022	7.5	6				- 1	GO	6	134074	v	
3200	V 526 Mol		-1 -4		-0.0005 -0.013	8.8	16	1	4			. 1911		1. ネジベリ(ペ		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P. N	RA PM	DEC PM	VISUAL MAG.	7		B N		U	SPECTRAL CLASS	S	SAO CAT.NO.	STAR PROP.	. '
3201	V 536 MON		-02 49 17.45		-0.0009		9•0	6					AO	6	134383	٧	T
3202	V 569 MON		-10 34 59.24	١.	-0.0004	-0.032	6.49	2	6.44	2	5.56	2	BO.5IVN	7	152363	DΫ	١
3203		= 21 MON		١.								_				l	
3204	V 592 MON		-07 58 53.32	١.	-0.0008		6.31	2	6.31	2		2	A2P	7	133761	٧	1
3205 3206	26 ALP MON		-09 25 59.53		-0.0052		3.930		4.950		5.830		KOIII	ĺ	134986		Ι.
3207	11 BET- 1 MON 11 BET- 2 MON		-06 59 58.06 -07 00 03.34	١	-0.0015 -0.0015		4.623 4.413		4.533 4.256		3.733		B3VE		133316	D	1
3208	5 GAM MON	06 12 24.938			-0.0006		3.960		5.270		3.523 6.690		B3NE+B3E K3III		133317	D	1
3209	22 DEL MON	07 09 18.620	-00 13 20.70		-0.0003			5	4.15	2		Įż.	AOIV	,	133012 134330	D D	1
3210	8 EPS- 1 MON		+04 37 11.68		-0.0013		4.462		4.662		4.802		ASIV		113810	Б	را
3211	8 EPS- 2 MON	06 21 07.436		. 4	-0.0016		6.520		6.720		6.860		DF4		113811	Ď	
3212	29 ZET MON	08 06 04.849	-02 50 12.87		-0.0014			2	5.29	2		2	GZIB		135551	Ď	ľ
3213	R MUS	12 39 00.393	-69 08 00.31		+0.0008	-0.009	5.90		6.700				G5		251996	v	
3214	S MuS	12 10 04 183			-0.0028	-0.016	5.90		6.700	i		٠.	CF6		251791	V	- 1
3215	50 MUS	12 31 57.152			-0.0038	-0.010	6.21	4		-	100		MB	4	251957	l v	-
3216	DZ MUS	11 57 21.147			+0.0001		8.8	6	100				AO .	7	251674	l v	1
3217	EF MUS	12 51 02.557			+0.0006		7.7	6					· .		252081	V	١
3218	RS MUS	12 20 21.446			+0.0016		9.2	6							256935	V.	1
3219	TU MUS	11 28 56.052			-0.0066			5					B3+B3	7	251436	V	1
3220 3221	ALP MUS	12 34 10.693			-0.0074		2.700		2.500		1.660		BSIV		251974	DV?	d
3222	BET MUS GAM MUS	12 43 11.492			-0.0056		3.050		2.870		2.130		B2.5V		252019	D	1
3223	GAM MUS DEL MUS	12 29 27.195 12 58 47.972			-0.0102		3.860		3.710	-	3.100		B5V		256955	1	1
3224	EPS MUS	12 14 51.002			+0.0560		3.620	. 1	4.800	1	6.060	1	K2III	_	257000	l	1
3225	ZET- 1 MUS	12 19 23.197			-0.0417		4 • 16		5.74 6.78	7	7.35	,	MSIII	7	251830	٧	1
3226	ZET- 2 MUS	12 19 19.446			-0.0038			2 2		2		2	GG9 A5M		251868	١.,	1
3227	ETA MUS	13 11 49.986	-67 37 48.78		-0.0058		4.800		4.720		4.380		BBV		251866 252224	D D	1
3228	THE MUS	13 04 52.075			-0.0014			ž		2	4.62	2	BOI?+WC6		252162	b	١
3229	IOT- 1 MUS	13 21 07.877	-74 37 32.17		-0.0263			2		2		2	GK0	1	257041		1
3230	IOT- 2 MUS	13 23 17.181	-74 25 55.78		-0.0098			2		2		2	B9.		257047	i	١
3231	LAM MUS	11 43 14.023	-66 27 05.06	- 1	-0.0161	+0+033	3.640	1	3.800		3.950		A7II-III		251575	ס	1
3232	MU MUS	11 45 49,270	-66 32 11.82		+0.0032	-0.021	4.71			7			GK3		251597	v	1
3233	R NOR	15 32 20.943			+0.0023		6.4	4					M4E	4	225948	DΫ	1
3234	S NoR	16 14 42.480			+0.0007		6.10		7.000				GGO		243586	V	1
3235	T NOR		-54 49 44.79		-0.0010			4					M4E	4	242884	·V	1
3236	V NOR	16 06 19.661			-0.0001			7				- 1	MB	6	226545	V	ı
3237 3238	Z NoR	16 01 22.456			-0.0004			7					B5	6	226485	V	İ
3239	HH NOR IN NOR	15 39 46.615 15 42 18.889	-51 41 18.74		+0.0002			6		- 1		.	F0	6	242878	Ďν	ı
3240	IR NOR	15 45 24.951			+0.0010			6	4					ا د	242941	V	ı
3241	TV NOR	16 00 22.362		1.3	-0.0008			6		- [.	A3	6	226234	٧	ı
3242	GAM- 1 NOR	16 13 15.670			-0.0003			2	5.79	2	6.30	ا ر	AO F8IAB	6	243289	V	1
3243	GAM- 2 NOR	16 16 05.341			-0.0162			2		2	6.27	2	GBIII	•	243643	י מ	ĺ
3244	DEL NOR	16 02 56.883			+0.0002			2	4.95	2	5.10	2	A M	1	226500	,	
3245	EPS- 1 NOR	16 23 29.386		٠ إ	-0.0027		7.218		7.148		6.618	ءَ ا	Â	!	226772	D	1
3246	EPS- 2 NOR	16 23 30.537	-47 26 34.34	- 1	-0.0004		4.560	2	4.490		3,960		B32V	- 1	226773	Ď	1
3247	ZET NOR	16 09 22.975			-0.0118		5.81	2	6.15	2			F2IV	.	243449	-	ľ
3248	ETA NOR	15 59 31,678	-49 05 31.58	1	+0.0031	+0.004	4 • 65	2	5.57	2	6.20	2	665	.	226466		
3249	THE NOR	16 11 36.960			-0.0031	-0.052	5.36						B8	. 1	226600		
3250	IOT- 1ABNOR	15 59 27.038	-57 38 11.18		-0.0148	-0-085	4 • 63	2	4.87	2	4.96	2	A5V	1	243279	D ·	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

UMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	ı	RA DEC PM PM	VISUAL MAG.	N	BLUE MAG.	B N	MAG.	N N	SPECTRAL CLASS	S N	SAO CAT-NO.	STAR PROP.	1
	IOT- 1C NOR	15 59 25.747	-57 38 13.89	1	-0.0171 -0.066	8.5	4							243278	ח	ŀ
3251		16 05 11 054	-57 48 06.60	1	-0.0015 -0.055	5.79	[ta etgania	H			B9V		243368	_	1
3252	10T- 2 NOR	16 05 11.054	-54 30 11.60	1	+0.0002 -0.027	5.09					1	G4III		243454	ח	ı
3253	KAP NOR	16 09 31.393	-42 33 12.05	- 1	+0.0014 -0.013	5.45	2	5.55	2			ASVN		226650	D	1
3254	LAM NOR	16 15 48 406	-43 56 28·69	ı,	-0.0009 -0.005	4.87	_	4.970			1 1	BOTA		226900		1
3255	MU NOR	16 30 31 333	-88 41 00.92	- 1	-0.0122 +0.015	7.75	4					AO	4	258465	i .	١
3256	A OCT	07 12 40.310	-89 04 36 36	- 1	+0.0571 -0.040	6.54	4	100				A5	4	258931		1
3257	B OCT	55 50 51 931	-84 05 32.54	1	-0.0157 +0.029	8.6	4					M3E	4	258577	· V	
3258	х ост	10 58 01.553	-04 05 32.54	٠ ا	-0.0151	- 0							1.		ļ	
3259	BO OCT	= EPS OCT		. [9.1	6		ļ ļ			*	1	257730	· V	
3260	RX OCT		-78 50 56 99	- 1	+0.0320 -0.007		6				1		1	258392	V	
3261	UZ OCT	04 52 47.738	-84 53 50 59	- 1	-0.0153 -0.034	8.6		e - 11	2	5.77	2	F4III		257879		
3262	ALP OCT	20 58 44.041	-77 13 01.18	- 1	+0.0027 -0.364	5.15	2	5.64				DA9	l	258941		
3263	BET OCT	22 41 04 412	-81 38 41.05		-0.0284 +0.006	4.15	2	4.35	2	4.46	2	G7III	1	258989	l	
3264	GAM- 1 OCT	23 49 14.400	-82 17 48.57		-0.0198 -0.013	5.11	2	6.03	2	6.63	2		1	258996		
	GAM- 2 OCT	23 54 51 661	-82 26 52 62		-0.0148 -0.020	5.73	2	6.78	2	7.70	2	GG9	1	258215	1	
3265	GAM- 3 OCT	00 07 48.524	-82 30 07.23		-0.0101 -0.014	5.28	2	6.33	2	7.25	2	GG8	l .	258698	1	
3266	DEL OCT	14 18 39.094	-83 26 29.51		-0.0581 -0.008	4.32	2	5.63	2	7.08	2	GK1	1		l v	
3267		00 18 32 560	-80 41 24.35		+0.0199 -0.039	5.10	2	6.57	2	7.66	2	M6III	1	258928	V .	
3268	EPS Oct	20 04 20 783	-85 27 58.13		-0.0952 +0.033	5.42	2	5.73	2	5.80	2	FOIII	1	258515	l	
3269	ZET OCT	40 50 42 370	-84 19 29 69		-0.0443 -0.007	6.19	2	6.30	2	6.42	2	A0		258600	1	
3270	ETA OCT	10 39 72 312	-77 20 30 14		-0.0157 -0.170	4 • 780	1	6.030	1	7.430	1	K2III	ł	258207	1	
3271	THE OCT	23 59 03.312	-84 51 08.65		+0.0508 +0.025	5.46	2	6.48	12	7.27	2	KOIII	1	258654	י ר	
3272	TOT OCT	12 49 30.427	05 31 00 001		-0.0706 -0.020	5.58	2	5.76	2	5.92	2	A2		258674	1	
3273	KAP OCT	13 32 25 492	-85 31 53.97		+0.0348 -0.033	5.29	Z	6.04	2	6.51	2	GG5	1	258914	וו	
3274	LAM- 1 OCT	21 43 27 797	-82 57 05 52	1	+0.0575 -0.011	6.00	2	6.44	12	6.55	2	F5IVN	1	257838		
3275	MU - 1 OcT	20 35 56.354	-76 21 30.60		+0.0575 -0.011	6.03	2	6.65	12	6.84	2	G1V	1	257836	D	
3276	MU - 2 OCT	20 35 50 155	-75 31 34 68		+0.0397 -0.150	3.75		4.750	-	5.645		KOIII	1	257948	D	
3277	NU OCT	21 35 59 865	-77 36 50 23		+0.0176 -0.239	5.35	1 ž	5.20	2	4.70	ĺŽ	85	1	258946		
3278	XI OCT	22 45 48.680	-80 23 19.00		+0.0095 -0.017		4	3.20	1-	7	1-	AO	4	258218		
3279	OMI OCT	00 12 16.820	-88 38 27 64		+0.0437 +0.000	7.22		10	1	7 7/1	2	Ko	1 '	258713		
3280	PI - 1 OCT	14 52 48.776	-83 01 44.69		+0.0059 +0.055	5.65	2		2			1		258714		
3281	PI - 2 OCT	14 55 51.286	51-82 50 28.90L		-0.0053 -0.012	5.65	2		2		2	KO		258731		
3282	RHO OCT	15 31 26.275	5 -84 18 14.99		+0.0953 +0.091	5.57			2		2	A2	1	258857	l	
3283	SIG OCT	2n 15 03.002	2 -89 08 18 48		+0.1170 -0.001	5.47	2		2		2	FO	1	258970	1	
3284	TAU OCT	23 21 22.17	-87 45 27.44		+0.0325 +0.011	5.49	2		2		2	K2III	1	258932		
	UPS OCT	22 22 39.60	-86 13 26 79		-0.0349 +0.062	5.77			2		2	KOIII		257584		
3285	PHI OCT	10 16 52.94	-75 04 08 55		+0.0014 +0.032	5.47	2		2		2	AO	1			
3286			5 -87 39 09 92		-0.0779 -0.131	5.28	2	6.56	2		2	K3II	1	258799	1	
3287	CHI OCT	02 13 02 86	-77 45 42.41		-0.0160 +0.013	5.51	2	5.82	2	5.94	2	AGIV	1	258020	1	
3288	PSI OCT		2 -84 35 43.93		-0.0015 +0.007	5.91	2	5.85	2	5.72	2	A0	1	258717	1	
3289	OME OCT	A	6 -02 13 10.02		+0.0303 -0.315	5.74	2		12	7.00	2	KOV	1	141269	1	
3290	12 OPH	16 33 43.00	10 16 70 70		-0.0071 +0.051	5.77	1.	l	1	1	1	DF2	i	121790	1	
3291	14 OPH	16 29 10.30	+01 16 30 - 79		-0.0019 -0.021	6.89	4		1		1	F5	4		1	
3292	15 OPH	16 42 07.94	9 -23 05 33.07		-0.0000 +0.011	5.96	1	5.95	ol	1	1	B9	1	121834	1	
3293	16 OPF		6 +01 06 37 85		-0.0002 -0.016	7.02	4		1.	1	1	A2	4	184683	1	
3294	18 OPH		5 -24 33 16.27			5.98	7	1	1	1	1	A2	1	121859	D	
3295	19 OPF	16 44 38.33	0 +02 09 11.52	١.	-0.0011 -0.014		2	5.13	2	5.20	2	F5IV-V	1	160118		
3296	20 OPH	16 47 03.86	7 -10 41 46.42		+0.0063 -0.096	4.66					2	AO	1	121911	0	
3297	21 OP	16 48 52.61	2 +01 17 59.36		-0.0017 -0.006	5.51		2.20	16	2,39	12	KO	1 4			
3298	22 Opt	16 51 49.25	0 -23 25 55+27		-0.0011 -0.031	7.04		1		1			1 7	141431		
3299	23 OP	16 51 55 15	8 -06 04 25.31	l.	-0.0025 -0.020	5.35		1	1	1		K2III		184822	ם	
35.77	24 Opt	1 - 7 - 2 - 2 - 2 - 2 - 2 - 2	3 -23 04 21 21	t	-0.0003 -0.001	5.60	1		I	1	-1	I AO	1	10-055	1 .	

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

3301 3302 3303 3304 3305 3306	DESIGNATION 26 OPH 28 OPH 29 OPH	16 57 05.497 17 00 55.924	24 54 52 64				AG.			1							
3302 3303 3304 3305	28 OPH 29 OPH			1	+0.0045 -0	•059 5	-78	寸	·				DF4		184897		
3303 3304 3305	29 OPH			1				4		-			89	4	184982		1
3304 3305		16 58 55.512	-19 "8 "0.48				.37				- g 1		GKO		160231		1
3305		16 50 35-312	-04 08 57.19		-0.0031 -0			2	6.31	2	8.11	2	K4III		141483	. V?	1
	30 OPH	17 01 38.712	-25 34 32-41	1	-0.0015 -0			4		1		1	A5	4	184995	,	1
	31 OPH 37 OPH	17 10 06-278	+10 38 39.50		+0.0006 -0		5.33						GM2		102646	D.	1
		17 14 02.523	-00 23 25.24		-0.0017 -0		1.72	2	5.87	2	6.98	2	KSIII		141586	נו	
3307		17 20 12.591	-28 05 46.83		+0.0004 -0		5.43	1					GK5		185350		1
3308		17 23 58 550	-05 02 38.50	١. ١	-0.0064 -0			2	4.95	2	4.87	2	F3V		141665	V?	1
3309	47 OPH 51 OPH	17 28 21-743	-23 55 33.04		+0.0003 -0		+•81	2	4.81	2	4.75	2	-A1 :	Ì	185470	. V?	1
3310		17 32 17 858	-22 00 42.88		-0.0003 -0	0.011 6	5.57	- 1		l		l	AO :		185526	_ '	
3311	52 OPH 54 OPH	17 32 03.755	+13 11 37.62	1	+0.0002 -0		5 • 66	4		1 1		l.	G5	- 4	102925	ם	
3312 3313	58 OPH	17 40 25.892	-21 39 38.57		-0.0068 -0		4.87	2	5.34	2	5.31	2	F5V		185660	i _	1
77 (10)			+02 35 57.94		+0.0001 +0		5.25					1	A0	l	122690	D	ı
3314		17 42 04 654	+02 35 56 65	1	+0.0001 +0		5 . 64						A0	1	122691	D	1.
3315		17 51 49.256	-24 52 44.45		-0.0003 -0		6.20	2	6.24	2	5.35	2 .	08		185928		10
3316			+04 22 11.61	1	-0.0000 -0		4.60	2	4.58	2	3.77	2	B2VE	1	123005	V	1
3317			+02 55 56.61	1	-0.0001 -0		3.970	1	3.990	1	3.340	1	BSIB		123013	D	
3318	67 OPH		+01 18 17.26		+0.0008 -0		4.42	2	4.46	2		2	A1V	1	123035	DV?	1
3319			+08 43 33.79		+0.0006 +0		4.63	2	5.60	2	6,33	2	GBIII-IV	1	123140	_	
3320			+09 33 18.94		-0.0042 +0		3.730	1	3.850	1	3.940	1	A4V		123142	D	1
3321	1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A		+03 58 59.91	1	+0.0024 -0		5.73	2	6.10	2	6.13	2	F2	1	123187	ם ו	1
3322	73 OPH 74 OPH		+03 21 11.45	1	-0.0001 +0			2	5.75	2		2	GBIII	1	123377	D	
3323	36 A-1 OPH	17 19 16-173	-26 31 47.28	1	-0.0369 -1		5.053		5.913	2	6.403		KOV		185198	D	10
3324 3325		17 12 16.220	-26 31 52.28		-0.0345 -1		5.093	2	5.953	2	6.443		KIV		185199	D	10
	36		-24 07 52.05		+0.0000 -0		4.16	2	4.44	2	4,56	2	DA9	١.	185401	٧?	ľ
3326 3327	45 - D OPH		-29 49 25.26		+0.0016 -0		4 - 27	2	4.67	2	4.75	2	F5IV	1	185412	1	
	-E OPH	17 16 15 803	+10 55 02.22		+0.0003 -0		5.03	2	6.58	2	8.48	2	K4II-III	i i	102725	l .	ł
3328	-F- 1 OPH	17 32 13.616	+09 36 27.89		-0.0004 -0		8.2	4				1		100	122525	ַם	1
3329			+09 37 08-37		+0.0002 -0		5.49	2	5.51	2	5.52	2	A2	ı	122526	.D	1
3330	53 -F- 2 OPH 70 -P OPH	19 02 55.608	+02 30 34.62	lc.	+0.0172 -1		4.030	1	4.890	1	5.400	1	KOV	1	123107	D	4
3331	R OPH				-0.0014 -0		6.0	4		1			M5E	. 4	160299	V	
3332	S OPH	16 31 22 388	-17 03 26.57		-0.0007 -0		8.3	4		l .	1 1 1	1			159981	_V	
3333 3334	38 U OPH	17 13 59 357	+01 15 53.07	1	-0.0002 -0	0.012	5.7	i	5.780	1		Į	B5V	1	122226	DV	
	V OPH		-12 18 54.74		+0.0006 -0		6.9	4		1			N3E	4	159916	V V	1
3335	X OpH	10 35 57-512	+08 47 19.71	1	-0.0011 +0		6.4						GM6E	ı	123744	DV	
3336 3337	Y OPH	17 49 57.778	-06 07 59.02		+0.0003 -0		6.10		7.400	1			GOP		141926	V	1
3337 3 33 8	BF OPH	17 02 59.294	-26 30 49.30		1+0.00001+0		7.6	6	8.3	7	į.	1	F5V	4	185020	V	1
	RV OPH	17 32 09-617	+07 16 46.54		-0.0016 +0		9.0	6		1			AO	6	122523	V	
3339	RY OPH	10 14 07-414	+03 40 26.98		-0.0003 +0		8.7	6	1	1			M3E-M6E	7.	123316	V	1
3340	SW OPH	16 13 46.972	-06 51 19.65		+0.0014 -0		9.0	6			1		A0	6	141070	V	
3341	SY OPH	16 52 07-217	-21 53 24.55	;	-0.0000 -0		8.7	6		1	1	1	M4	6	184796	V.	1
3342	WZ OPH	17 04 14 05	+07 50 53.73	1	+0.0012 -0		8.7	6	1	1		1	G0	6	122083	V	1
3343 3344	XX OPH		-06 14 52-19		+0.0004 +0		8.8	6		1 .		1	BP	6	141834	V	
	V 438 OPH	17 12 18-801	+11 07 31.89		-0.0009 +0		9.1	6	1	1	1		M8	6	102678	V	-1
3345	V 458 OPH		+10 51 28.52	2	+0.0001 -0		8.0	6	1			1	A0:	6	103766	V	1
3346			+08 47 21.79		-0.0006 +0		9.1	6			1	1	A2	6	123842	V	1
3347	V 456 OPH V 502 OPH		+00 36 08.53		-0.0012 +0	~ - ~	8.8	6	1	1			GO	6	121784	V	. 1
3348			-02 34 07.45	١.	-0.0042 -0		7.5	6		1		1	MC	6	141939	V	1
3349 3350	V 533 OPH V 551 OPH		27 22 13.89		-0.0029 -0		8.3	6	1	1		1	M2	6	185610	V	1

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NU 18ER	STAR JESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM		2 <		BZ		U N	SPECTRAL CLASS	5 N	SAN CAT-NO.	STAR PROP.	G N
3351	V 552 OpH	17 39 35.150	-28 24 29.34		+0.0013 +	0.022	8+8	6		Г			MO	6	185643	٧	
3352	V 564 OPH	17 49 36.853			+0.0001 -		9.3	6	10.85	7			K2	6	122851	٧	l
3353	V 566 OPH	17 54 24 329	+04 59 30 80	-	+0.0046 +	0.080	7.46	5		l			F4V	7	122946	V	1
3354	V 679 OPH	18 39 31.165	+06 46 10.62	١.	+0.0019 +	0.015		6					NP	6	123817	V	ŀ
3 3 55	V 839 OPH	18 06 58.351	+09 08 28-30	ł	-0.0015 +			6	· ·	l			-G0	6	123183	V	1
335 _b	V 914 OPH	17 57 01.404	÷11 47 10.68		+0.0008 -			6	_				DA		103274	v .	1
3357	V 986 OPH	18 02 05.798	+01 54 54 01	1	-0.0003 -			2	6.13	2	5.23	2	B0.5III	١,	1234A9	ľví	1
3358	V 988 OPH	18 24 23.520		-	-0.0003 -		8•2	6					MB	6	160116	ů	1
3359	V1010 OPH		-15 34 54 81	1	+0.0007 +		6-11			_		١.,	A3	6	141439	DV	1
3360	V1054 OpH		-08 14 42.22		-0.0537	0.875	9•1	6	10.7	7	11.76	l' -	K5P	٥ ا	143437		1
3361	V2048 OPH	= 66 OPH			1 1-	_				۱.,		1	B2IV-V	7	122935	V:	
3362	V2052 OPH		+00 40 34.99		-0.0005 +		5.67		5.76	14	0 300	١,	ASII	' '	102932	V?	1
3363	55 ALP OPH		+12 35 41.92		+0.0080 -		2.070		2.220		2.320		KSIII		122671	l ''	
3364	60 BET OPH	17 41 00.041	+04 35 11.84		-0.0028 +		2.770		3.940		3.830		AOV		122754	ļ	1
3365	be GAM OPH	17 45 23.019	+02 43 28 28		-0.0016		3.750		4.340		6.300		MIIII	i i	141052		1
3366	1 DEL OPH	16 11 43.325	-03 34 01 41	'	-0.0032 -		2.750		4.210		4.960		69111		141086		1
3367	2 EPS OPH	16 15 40.348	-04 34 19.57	l	+0.0054 +		3.230		2.580		1.730		09.5V		160006	ļ.	1
3368	13 ZET OPH		-10 28 02.81		+0.0008 +		2.560		2.470		2.560		A2.5V		160332	מ	1
3369	35 ETA OPH	17 07 30 461	-15 39 52.89		+0.0026 +		2.420		3.030		2.180		BZIV	İ	185320	v	į
3376	42 THE OPH		-24 57 05 20	1	-0.0002		3.260			2		2	BAV		102458	V?	i
3371	25 IOT 0PH		+10 14 46 • 44	١.	-0.0036 -			2			5.520		KZIII	1	121962	''	
3372	27 KAP OPH	16 55 17.959	+09 27 04 81		-0.0199 -		3.200		4.360 3.840		3.860		A1V	1	121658	D	
3373	10 LAM OPH	16 28 23.341	+02 05 31.06	C	-0.0020 -		3.830			2	4.56		Bev		141772	"	
3374	57 MU OPH	17 35 07.500	-08 05 24.07		-0.0008		4 • 63		4.330		5.200	1	69111	1	142004		
3375	64 NU OPH	17 56 16.332	-09 46 09.10		-0.0006		3.340			2	4.73	ĺż	F2V		185296	b	ľ
3376	40 XI OPH	17 18 00.251	-21 03 39.72		+0.0165		4.38	2	40/3	16	4.73	٦	F6IV-V	1	185237	Ď	1
3377	39 OMI- 1 OPH	17 14 57.384	-24 13 53.02	1	-0.0053 -		6.90				1	[KIIII	1	185238	D	
3378	39 OMI- 2 OPH		-24 14 03 53	1.	-0.0039 -		5.39			1			B3V		184377	Ö	
3379	RHO- 1 OPH	16 22 24.076	-23 20 48 42		-0.0007		6.56 5.788	12	6.008	9	5.458	ادا	B2V	1	184381	D	11
33 80	5 RHO- 2 OPH		-23 19 57.72	1	+0.0005		5.088		5.308		4,758		BSIV	1	184382	ם ו	11
3381	5 RHO- 3 OPH	16 22 34.963	-23 20 01 41				7.13	4	3,500	1	7,750	-	A	4	184383	l n	1
3382	RHO- 4 OPH	16 22 35.008	-23 17 30 47		+0.0005 -		4.33		5.83	2	7.41	2	KSII	'	122387	٧?	
3383	49 SIG OPH		+04 10 56 12		+0.0017			2	5.17	2	5.22	2	F2+F2		142050	D	11
3384	69 TAU OPH		-08 10 55.08		-0.0052 +			2	4.79	2	4.85	2	AM	1	141187	D	
3385	3 UPS OPH		-08 15 40 86		-0.0037		4.27	2	5.19	2		2	GBIII		159963		
3386	8 PHI OPH		-16 30 19.16 -18 20 40.22		-0.0008		4.43	2	4.71	2	3.95	2	BZVE	1	159918	l v	1
3587	7 CHI OPH		-19 55 19.12		-0.0020 -		4.50	2	5.53	2	6.37	2	KOIII		159892		1
3388	4 PSI OPH	1 T	-21 21 39.92		+0.0009			2	4.56	2	4.69	2	AP		184450	1	
3389	9 OME OPH		+02 25 37.57		+0.0020		5.33	2	6.97	2	8.90	2	GM1	1	112179	\ \sigma.	1
3390	5 ORI		+15 20 10 18		+0.0011		4.68	2	4.63	2	4.53	2	AOSI	1	94290	!	ŀ
3391	11 ORI		+09 24 44+95		-0.0002		6.17	2	6.79	2	6.88	2	DG2	-	112436	1	
3392	13 ORI		+15 32 06.42		+0.0001		4 - 82	2	5.14	2	5.32	2	F2IV		94359	1	
3393	15 ORI		+11 17 12.31		~0.0003		5.46		5.440	1		1	AOIII	1	94426		
3394	18 ORI 121 ORI		+02 32 44.20		-0.0014		5 - 34	2	5.75	2	5.83	2	F5II_	i	112624	V2	
3395	1		+01 48 07.84		-0.0003		4.96	2	4.76	2	3.83	2	B1V?PE	1	112734	\ \sigma_2	1
3396			+14 16 20.54		-0.0006		5.54					1	B3	1	94652	1	
3397	35 ORI		-04 53 13.59		+0.0002		5.27	2	5.50	2	5.67	2	GF0	1	132336	DV?	1
3398	45 ORI		+06 26 17.32		+0.0003		5.27	2	5.50	2	5.67	2	A5N	1	113150	D.	1
3399	52 ORI		3 -07 31 48.00		-0.0002		5.35	2	5.15	2	4.32	2	B2V	1	132591	1	1
3400	55 ORI	1 05 40 51 105	1-0, 3, 40.00		1	- · · · · ·	1	1	I -		1	1	i	i	1	1	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

3425 23 -M ORI 05 20 12.177 +03 2 3426 33 -N- 1 ORI 05 28 36.990 +03 1 3427 38 -N- 2 ORI 05 31 38.755 +03 2 3428 22 -0 ORI 05 31 38.755 -00 2 3429 27 -P ORI 05 21 56.259 -00 2 3430 U ORI 05 22 51.005 +01 0 3431 W ORI 05 52 51.005 +01 0 3432 BL ORI 05 02 48.658 +01 0 3433 BL ORI 06 22 36.929 +14 0 3435 BN ORI 05 33 47.759 +10 0 3436 3437 3438 BQ ORI 05 57 11.524 -01 0 3438 DN ORI 05 57 42.557 +10 0 3439 DN ORI 05 57 42.557 +10	40.22 30.10 01.15 59.73 27.79 35.74 47.18 12.67 130.51 106.64 107.18 107.18 107.18 107.18 107.18 109.07	+0.6 -0.6 -0.6 -0.6 +0.4 -0.1 +0.4 -0.1 +0.4 -0.4 -0.4 -0.4 -0.4 -0.4 -0.4 -0.4 -	0006 -0.00 0001 -0.00 0001 +0.00 0002 +0.00 0002 -0.00 0002 -0.00 0003 -0.00 0003 -0.00 0003 -0.00 0004 -0.00 0005 -0.00 0005 -0.00 0006 -0.00 0006 -0.00 0006 -0.00 0006 -0.00 0006 -0.00 0006 -0.00 0006 -0.00 0006 -0.00	9 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5.22 5.67 5.15 5.63 5.63 5.20 5.34 5.20 4.90 4.99 4.59 4.59	222 2 2 22222	6.11 5.23 6.71 5.040 5.580 5.64 5.310 6.38 6.93 4.07 4.40	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	6.27 5.24 7.53 7.41 5.64 7.51 8.54 3.51 7.13	2 222 2 2 2222 2 2 2 2 2 2 2 2 2 2 2 2	K2II B2V A5 A1 GG7 B8III GG4 B9.5V F6V B9II-III K1II GK5 B5IV K0III		113220 94986 113315 113321 113429 95166 113430 95359 95457 113905 13269 112849	DV?	1:
3402 57 ORI O5 51 58.983 +19 44 3403 59 ORI O5 55 48.522 +01 50 3404 60 ORI O6 02 18.143 +05 25 3406 64 ORI O6 00 29.672 +19 41 3407 66 ORI O6 02 19.755 +04 05 3408 68 ORI O6 09 03.575 +19 48 3409 71 ORI O6 02 19.755 +19 48 3410 73 ORI O6 12 56.385 +12 31 3411 77 ORI O6 12 56.385 +12 31 3412 78 ORI O6 24 39.651 +00 15 3413 32 A ORI O5 28 06.426 +05 55 3414 51 -B ORI O5 39 53.374 +01 2 3415 42 -C ORI O5 32 55.055 -04 56 3416 49 -D ORI O5 32 55.055 -04 56 3417 29 -E ORI O5 32 55.055 -04 56 3418 69 -F- 1 ORI O5 06 34.444 +09 4 3420 6 -G ORI O5 06 34.444 +09 4 3421 16 -H ORI O5 06 34.444 +09 4 3422 14 -I ORI O6 12 32.077 +16 0 3421 16 -H ORI O5 05 09.412 +08 2 3423 74 -K ORI O5 06 34.444 +09 4 3424 75 -L ORI O6 13 38.093 +12 1 3422 14 -I ORI O6 13 38.093 +12 1 3424 75 -L ORI O6 13 38.093 +12 1 3425 23 -M ORI O5 20 12.177 +03 2 3426 33 -N- 1 ORI O6 13 38.755 +03 4 3427 38 -N- 2 ORI O5 28 36.990 +03 1 3428 27 -P ORI O5 20 12.177 +03 2 3428 27 -P ORI O5 20 32.676 -04 52 3429 27 -P ORI O5 33 38.755 +03 4 3430 3431	30.10 01.15 59.73 27.79 35.74 47.18 12.67 130.51 406.64 9 50.92 440.02 441.72 7 07.18 2 10.72 4 21.42 1 09.07 8 36.85 9 37.16	-0.0 +0.0 -0.0 -0.0 -0.0 +0.1 -0.1 +0.1 -0.1 +0.1 -0.1 +0.1 -0.1 +0.1 -0.1 +0.1 -0.1 +0.1 -0.1 +0.1 -0.1	0001 -0.00 0001 -0.00 0002 +0.00 0003 -0.00 0003 -0.00 0003 -0.00 0003 -0.00 0003 -0.00 0004 -0.00 0005 -0.00 0006 -0.00 0007 -0.00 0008 -0.00 0008 -0.00 0008 -0.00 0008 -0.00 0008 -0.00 0008 -0.00 0008 -0.00 0008 -0.00 0008 -0.00 0008 -0.00	9 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5.86 5.89 5.20 5.67 5.63 5.67 5.53 5.67 5.20 4.20 4.90 4.81 4.81	222 2 2 22222	6.11 5.23 6.71 5.040 6.67 5.580 5.64 5.310 6.38 6.93 4.07 4.40	22 2 2222	5.24 7.53 7.41 5.64 7.51 8.54 3.51 7.13	22 2 2 222	A5 A1 GG7 B8III GG4 B9.5V F6V B9II-III K1II GK5 B5IV		113315 113321 113429 95166 113430 95359 95432 95457 113905 133269	V?	
3402 57 ORI 05 55 48.522 +01 50 50 50 24.520 +19 48.520 +19 4	01.15 59.73 27.79 35.74 47.18 12.67 30.51 06.64 9 50.92 440.02 7 07.18 2 10.72 4 21.42 1 09.07 8 36.85 9 37.16	+0.6 -0.6 -0.6 +0.6 +0.6 +0.6 +0.6 +0.6 +0.6 +0.6 +	0001 -0.00 0010 +0.00 0002 +0.00 0003 -0.00 0001 -0.00 0003 -0.00 0003 -0.00 0003 -0.00 0001 -0.00 0014 -0.00 0014 -0.00 0004 -0.00	8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5.89 5.22 5.67 5.15 5.67 5.20 5.20 5.20 4.59 4.59 4.81 4.12	22 2 22222	5.23 6.71 5.040 6.67 5.580 5.64 5.310 6.38 6.93 4.07 6.07	22 2 2222	5.24 7.53 7.41 5.64 7.51 8.54 3.51 7.13	22 2 2 222	A1 GG7 BBIII GG4 B9.5V F6V B9II-III K1II GK5 B5IV		113321 113429 95166 113430 95359 95432 95457 113905 133269	V?	
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3406 64 ORI O6 00 29.672 +19 40 07 17 18 18 18 18 18 18 18 18 18 18 18 18 18	35.74 47.18 12.67 30.51 06.64 9 50.92 4 40.02 4 41.72 7 07.18 2 10.72 4 21.42 1 09.07 8 37.16 0 45.39	-0.6 +0.6 -0.6 +0.6 +0.6 +0.6 -0.6 -0.6 -0.6 +0.6 -0.6 +0.6 -0.6 +0.6 -0.6 -0.6 +0.6 -0.6 +0.6 -0.6 +0.6 +0.6 +0.6 +0.6 +0.6 +0.6 +0.6 +	0003 -0.00 0002 -0.00 0008 -0.11 0001 -0.00 0003 -0.00 0003 -0.00 0008 -0.00 00012 -0.00 0014 -0.00 0014 -0.00 0006 -0.00	6 5 1 5 90 5 90 5 90 5 90 5 14 6 90 6 90 6 90 6 90 6 90 6 90 6 90 6 90	5.63 5.67 5.20 5.34 5.20 5.55 4.20 4.90 4.59 4.81 4.12	2 22222	6.67 5.580 5.64 5.310 6.38 6.93 4.07 6.07 4.40	2 2222	7.51 8.54 3.51 7.13	2 2222	B9.5V F6V B9II-III K1II GK5 B5IV		95359 95432 95457 113905 133269		
3407 66 ORI 06 02 19.755 +04 05 06 07 08 08 08 08 08 08 08 08 08 08 08 08 08	47.18 12.67 106.64 9 50.92 4 40.02 7 07.18 2 10.72 4 21.42 1 09.07 8 36.85 9 37.16	+0.6 -0.6 +0.6 +0.6 +0.6 -0.6 -0.6 -0.6 +0.6 +0.6 +0.6 +0.6 +0.6 +0.6 +0.6 +	0002 -0.00 0068 -0.10 0001 -0.00 0002 -0.00 00038 -0.00 0001 -0.00 0014 -0.00 0006 -0.00 0006 -0.00	1 5 90 5 90 5 90 5 90 5 14 6 14 6 15 6 14 6 15 6 16 6 17 6 18 6 18 6 18 6 18 6 18 6 18 6 18 6 18	5.67 5.20 5.34 5.20 5.55 4.20 4.90 4.59 4.81 4.12	2 22222	5.580 5.64 5.310 6.38 6.93 4.07 6.07	2 2222	7.51 8.54 3.51 7.13	2 2222	F6V B9II-III K1II GK5 B5IV		95432 95457 113905 133269		
3408 68 ORI O6 09 03.575 +19 48 3409 71 ORI O6 11 54.292 +19 10 3410 73 ORI O6 12 56.385 +12 37 3412 78 ORI O6 24 39.651 +00 17 3413 32 A ORI O5 28 06.426 +05 57 3414 51 -B ORI O5 39 53.374 +01 2 3415 3416 49 -D ORI O5 36 27.836 -07 17 3416 49 -D ORI O5 36 27.836 -07 17 3418 69 -F- 1 ORI O6 09 10.227 +16 0 3420 6 -G ORI O5 55 09.412 +08 2 3421 16 -H ORI O5 05 09.412 +09 4 3422 14 -I ORI O5 05 09.412 +09 4 3423 74 -K ORI O5 05 09.412 +09 4 3424 15 ORI O5 05 31 38.093 +12 1 3424 75 -L ORI O5 05 31 38.755 +13 426 33 -N- 1 ORI O5 20 12.177 +03 2 3428 27 -P ORI O5 31 38.755 +10 4 3429 27 -P ORI O5 31 38.755 +10 4 3430 3431 W ORI O5 52 51.005 +03 4 3431 3432 BL ORI O5 20 32.676 -04 4 3433 3434 BM ORI O5 57 42.557 +10 0 05 27 11.524 -01 0 05 27 11.524 -01 0 05 27 41.223 +04 0 06 12 32.077 +16 0 07 12 32.077 +16 0 08 12 32.077	12.67 30.51 906.64 950.92 440.02 441.72 707.18 210.72 421.42 109.07 836.85 937.16	-0.0 -0.0 +0.0 -0.0 +0.0 -0.0 -0.0 +0.0 -0.0	0068 -0.1 0001 -0.0 0002 -0.0 0003 -0.0 00038 -0.0 0001 -0.0 0014 -0.0 0014 -0.0 0006 -0.0	90 5 90 5 99 5 14 6 14 6 15 6 14 6 15 6 16 6 17 6 18 6 18 6 18 6 18 6 18 6 18 6 18 6 18	5.20 5.34 5.20 5.55 4.20 4.90 4.59 4.81 4.12	22222	5.64 5.310 6.38 6.93 4.07 6.07 4.40	2 2 2 2	7.51 8.54 3.51 7.13	2 2 2 2	B9II-III K1II GK5 B5IV		95457 113905 133269		
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3415	2 10.72 4 21.42 1 09.07 8 36.85 9 37.16 0 45.39	-0. -0. -0. +0. +0.	0001 -0.0 0012 -0.0 0014 -0.0 0006 -0.0 0002 -0.0	00 54 44 15	4.81 4.12	2		121			BZIII	1	132320	DV?	
3416	4 21.42 1 09.07 8 36.85 9 37.16 0 45.39	-0. -0. +0. +0.	0012 -0.0 0014 -0.0 0006 -0.0 0002 -0.0	54 44 15	4.12				3.46	1	A4IV	1 .	132411		1
3417 29 -E ORI 05 21 32.197 -07 5 3418 69 -F- 1 ORI 06 09 10.227 +16 0 3419 72 -F- 2 ORI 06 12 32.077 +16 0 3420 6 -G ORI 04 52 00.305 +11 2 3421 16 -H ORI 05 05 34.444 +09 4 3422 14 -I ORI 05 05 50 9.412 +08 2 3423 74 -K ORI 06 13 38.093 +12 4 3425 23 -M ORI 06 14 21.142 +09 5 3426 33 -N- 1 ORI 05 20 12.177 +03 2 3426 33 -N- 1 ORI 05 28 36.990 +03 1 3427 38 -N- 2 ORI 05 31 38.755 +03 4 3428 27 -P ORI 05 31 38.755 -04 4 3429 27 -P ORI 05 21 56.259 -00 5 3429 27 -P ORI 05 22 56.259 -00 5 3430 3431 W ORI 05 52 51.005 +01 0 06 22 36.929 +14 5 07 07 07 07 07 07 07 07 07 07 07 07 07 0	1 09.07 8 36.85 9 37.16 0 45.39	-0. +0. +0.	0014 -0.0 0006 -0.0 0002 -0.0	14 15		~ I		2	5,05	2		1	132067	1	İ
3417 3418 69 -F- 1 ORI 06 09 10.227 +16 0 3420 6 -G ORI 3421 16 -H ORI 3422 14 -I ORI 3423 74 -K ORI 3424 75 -L ORI 3425 23 -M ORI 3426 33 -N- 1 ORI 3426 33 -N- 1 ORI 3427 38 -N- 2 ORI 3428 27 -P ORI 3429 27 -P ORI 3429 27 -P ORI 3430 3431 3431 3432 BB ORI 3433 BL ORI 3434 BN ORI 3435 BN ORI 3436 ORI 3437 3436 ORI OF 27 41.223 3438 ORI OF 27 41.223 3439 ORI OF 57 42.557	8 36.85 9 37.16 0 45.39	+0. +0.	0006 -0.0	15		2	5.08	2	5.78	2	GSIII	1	95365		1
3418	9 37 16 0 45 39	+0.	0002 -0.0		4.92	2	4.80	2	4.21	2	B5V	1	953437	1	1
3419 3420 6 -G ORI O4 52 00.305 +11 2 3421 16 -H ORI O5 06 34.444 +09 4 3422 14 -I ORI O6 13 38.093 +12 1 3423 74 -K ORI O6 13 38.093 +12 1 3424 75 -L ORI O6 14 21.142 +09 5 3425 33 -N 1 ORI O5 20 12.177 +03 2 3426 33 -N 2 ORI O5 28 36.990 +03 1 3427 38 -N 2 ORI O5 19 12.471 -00 2 3428 22 -O ORI O5 19 12.471 -00 2 3429 27 -P ORI O5 21 56.259 -00 5 3431 3432 WORI OF 22 36.929 +14 4 3433 BL ORI OF 22 36.929 +14 4 3435 BN ORI OF 23 36.929 +14 4 3435 BN ORI OF 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.524 +01 05 27 41.525 +10 05 27 4	0 45 - 39	-0.		14 1	5.19	- 1	5.060		1.		B7V	1	94197	1	1
3420 6 -G ORI 04 52 00.305 11 2 3 421	0 45.39 5 01.19	-0.		-	5.12	- 1					A3	1		.[ļ
3421 16 -H ORI 05 06 34.444 +09 4 3422 14 -I ORI 05 05 09.412 +08 2 3423 74 -K ORI 06 13 38.093 +12 1 3424 75 -L ORI 06 14 21.142 +09 5 3425 23 -M ORI 05 20 12.177 +03 2 3426 33 -N- 1 ORI 05 28 36.990 +03 1 3427 38 -N- 2 ORI 05 31 38.755 +03 4 3428 27 -P ORI 05 21 56.259 -00 5 3430 3431	5 81•191		0042 -0.0			2	5.67	2	5.82	2	AM	ļ	112467		Į
3422 14 -I ORI 05 05 09,412 +08 2 3423 74 -K ORI 06 13 38.093 +12 1 3424 75 -L ORI 06 14 21.142 +09 5 3425 23 -M ORI 05 20 12.177 +03 2 3426 33 -N- 1 ORI 05 28 36.990 +03 1 3427 38 -N- 2 ORI 05 31 38.755 +03 4 3428 22 -O ORI 05 31 38.755 +03 4 3428 27 -P ORI 05 21 56.259 -00 5 3429 27 -P ORI 05 22 56.259 -00 5 3430 3431 U ORI 05 52 51.005 +20 1 06 22 36.929 +14 4 3435 BM ORI 06 22 36.929 +14 4 3435 BN ORI 07 33 47.759 +06 4 3436 3437 3438 CK ORI 07 07 11.524 -01 3438 3439 DN ORI 05 57 42.557 +10	_ 75 71 1	+0•	0042 -0.0	_		2	5.66	2	5.77	2	AM	.]	112440	l D	1
3423 74 -K ORI 06 13 38.093 +12 1 3424 75 -L ORI 06 14 21.142 +09 5 3425 23 -M ORI 05 20 12.177 +03 2 3426 33 -N- 1 ORI 05 28 36.990 +03 1 3427 38 -N- 2 ORI 05 31 38.755 +03 4 3428 22 -O ORI 05 19 12.471 -00 2 3429 27 -P ORI 05 21 56.259 -00 5 3430	6 05•62		0015 -0.0			2	5.46	2	5.44	2	F5IV-V	1	95476	D	1
3424 75 -L ORI 06 14 21.142 +09 5 3425 23 -M ORI 05 20 12.177 +03 2 3426 33 -N- 1 ORI 05 28 36.990 03 3427 38 -N- 2 ORI 05 31 38.755 +03 4 3428 22 -O ORI 05 19 12.471 -OO 2 3429 27 -P ORI 05 21 56.259 -OO 5 3430 U ORI 05 52 51.005 +20 1 3431 W ORI 05 52 51.005 +20 1 3432 BL ORI 06 22 36.929 +14 4 3435 BM ORI 07 07 33 47.759 +10 6 3437 3436 BQ ORI 05 54 05.549 +22 1 3438 DN ORI 05 57 42.557 +10	7 16 13	+0+	0055 +0 • 1	22		2	5.49	2	5.58	12	A2	ļ	113675	D	١
3425 23 -M ORI 05 20 12.177 +03 2 3426 33 -N- 1 ORI 05 28 36.990 +03 1 3427 38 -N- 2 ORI 05 31 38.755 +03 3 428 22 -O ORI 05 19 12.471 -OO 2 3428 27 -P ORI 05 21 56.259 -OO 5 3430 3431 W ORI 05 52 51.005 +20 1 3432 BL ORI 05 52 51.005 +01 0 05 22 36.929 +14 5 06 22 36.929 +14 5 07 1 THE-1B OFI 05 33 47.759 +06 6 3436 3436 BQ ORI 05 54 05.549 +22 1 3438 3439 DN ORI 05 57 42.557 +10 0 08 1 05 57 42.557 +10	7 44.32		0000 -0.0			2	4.85	2	3.98	2	B1V		112697	י ס ו	- [
3426 33 -N- 1 ORI 05 28 36.990 +03 1 3427 38 -N- 2 ORI 05 31 38.755 +03 4	9 52 42	-0-	0005 -0.0	01		2	5.29	2	4.47	2	B1.5V	1	112861	D	-
3427 38 -N- 2 ORI 05 31 38.755 +03 4 4 1	5 20 92	-0.	0002 +0+0	04			5.41	2	5.48	2	A2	-	112904	1	ı
3428 22 -0 ORI 05 19 12.471 -00 2 3429 27 -P ORI 05 21 56.259 -00 5 3430 S ORI 05 26 32.676 -04 4 3431 W ORI 05 52 51.005 +20 1 3432 BL ORI 05 02 48.658 +01 0 3433 BL ORI 06 22 36.929 +14 4 3435 BN ORI 07 33 47.759 +10 6 3436 BQ ORI 05 54 05.549 +22 1 3436 3437 31 CI ORI 05 27 11.524 -01 6 3437 3438 DN ORI 05 57 42.557 +10	4 03.46		0023 -0+0			2	4.58	2	3.79	2	BZIV	1	132028	1	ļ
3429 27 -P ORI 05 21 56.259 -00 5 3430 3431 U ORI 05 52 51.005 +20 1 3432 W ORI 05 52 51.005 +20 1 3432 BL ORI 06 22 36.929 +14 4 3435 BN ORI 05 33 47.759 +06 4 3436 BQ ORI 05 54 05.549 +02 1 3438 CK ORI 05 27 11.524 -01 3438 DN ORI 05 57 42.557 +10 05 3436 DN ORI 05 57 42.557 +10 05 3	5 49.03		.0003 -0•0			2		2	6.73	2	KOIII	1	132070	1	-
3430 S ORI 05 26 32.676 -04 4 3431 U ORI 05 52 51.005 +02 1 05 52 51.005 +02 1 05 52 51.005 +02 1 05 02 48.658 +01 06 22 36.929 +14 4 3435 BN ORI 05 33 47.759 +06 43 435 BQ ORI 05 54 05.549 +22 1 05 27 11.524 -01 3438 CK ORI 05 27 41.223 +04 3439 DN ORI 05 57 42.557 +10	6 16 14	-0	.0007 +0+1	.33	5.09	2	6.05	12	0.15	1-	M7E	4	132163	l v	1
3431 U ORI 05 52 51.005 +20 1 3432 W ORI 05 02 48.658 +01 0 3433 BL ORI 06 22 36.929 +14 4 3435 BN ORI 05 33 47.759 +06 4 3436 BQ ORI 05 54 05.549 +22 9 3436 3437 31 CI ORI 05 27 11.524 +01 05 27 41.223 +04 3438 DN ORI 05 57 42.557 +10	3 51 68	+0	.0029 +0.0	105	7.5	4	1	1			GM8E	'	77730	1 V	
3432 W ORI 05 02 48.658 +01 0 06 22 36.929 +14 4 06 22 36.929 +14 4 07 06 22 36.929 +14 4 07 07 07 07 07 07 07 07 07 07 07 07 07	0.06.19		.0001 -0-0		5.4	l _				1	C5-3	ľ	112406	V	1
3433 BL ORI 06 22 36.929 +14 4 3 4 3435 BN ORI 05 33 47.759 +06 4 3436 3437 31 CI ORI 05 27 11.524 -01 3438 CK ORI 05 27 41.223 +04 3439 DN ORI 05 57 42.557 +10	6 37.21	+0	.0005 -0.0	06	6.17	2	9.61	12		١,	C6-2	- 1	95659	V	-
3434 BM ORI = 41 THE-1B OFI 3435 BN ORI 05 33 47.759 +06 4 3435 BQ ORI 05 54 05.549 +22 1 3437 31 CI ORI 05 27 11.524 -01 4 3438 CK ORI 05 27 41.223 +04 4 3439 DN ORI 05 57 42.557 +10	5 04.15	-0	.0010 -0-1	004	6.23	2	8.57	12	12.07	2	1 60-2	ı	,	1	- 1
3435 BN ORI 05 33 47.759 +06 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		-				1	1	1		1	1	6	112952	l. v	- 1
3435 BN OF 05 33 47.759 +00 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B 12.32	l +n	.0008 -0-	27	9.8	6		.1	ŀ	1	A7	1 7		V	[
3436 BQ ORI 05 54 05.549 422 3437 31 CI ORI 05 27 11.524 -01 05 27 41.223 +04 07 07 07 07 07 07 07 07 07 07 07 07 07	0 02.01		.0014 -0.		8.0	6		1	1		MSITIE	-1 ′	132176	DV	Į
3437 31 CI ORI 05 27 11.524 -01 3438 CK ORI 05 27 41.223 +04 3439 DN ORI 05 57 42.557 +10	7 40 00	1 1	.0000 -0	122	4.71	2	6.28	2	8.13	2	KATIT	1	112837		- 1
3438 CK ORI 05 27 41.223 +04 3439 DN ORI 05 57 42.557 +10	0 00 12	1 -	.0001 -0	147	6.21	2	7,48	2	8.86	2	KZIII	١.		ľ	١
3439 DN ORI 05 57 42.557 +10	U 02.12	1 -0	.0009 +0.	110	8.6	6	1	1	1	1	A	6	' 1		- 1
	3 01.45		.0002 -0		9.2	6	9.74	17	1	- 1	F8	1			- 1
1	56 59 85		.0010 -0		9.1	6				- 1	MB	6		1 -	į
ODT 05 22 02.194 -06	11 28 89		.0005 +0	015	9.0	6		-		1	F8	1 6		1	j
1 200 1 FV not 1 ns 28 51.305 1-05	44 23.55	-0			8.8	6		1			A3	6			- 1
001 05 25 31.718 +03	34 58•3/	1 1-0	.0903 -0.	011	9.1	6		1		-	AO	€		1	
et 001 06 10 58-229 I+21	26 33•72	+0	.0001 +0.	007		6		1	i i	1	МО	1 6	5 94778		- 1
007 05 39 03.763 +14		-0	.0006 -0.	009	8.7	6		- [-	В	1.6	6 113558		
001 06 08 28-523 1+09	48 37•78	- 0	.0001 +0.	008	8•6			1		- 1	B3V	- 1	7 132302		1
057 05 30 36-547 -04	37 27.80) +U	.0003 -0.		8.0	5				-1	B	1 6	6 132308		1
007 00 30 42 470 1-05	37 27.80) +0	.0007 +0.	003	9.0	6		Ī			BIV	1 1	7 132328		
1 . 3 . 4 . 4 . 4 . 4 . 4 . 4 . 4 . 4 . 4	37 27•80 45 48•56		.0003 -0.		9.0	6		1_	. 1	1	FO		6 95589		
3449 NU ORI 05 33 03.747 203 3450 RS ORI 06 19 21.995 +14	37 27•80 45 48•56 29 47•09)		013	8.3	6	9.1	17			- TH	1 1	J . 3000,	- L	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM		V		B N	U -	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	0
3451	VV ORI	05 30 59.051	-01 11 22.96	+	-0.0006 +	0.001	5.34	2	5.16	2	4.25	2	B1V		132255	٧	
	V 352 ORI	05 59 15.874			+0.0005 +			6	_	1			MC	6	132754	٧	ı
3452	V 352 ORI		-04 52 07.25		+0.0006 -			5	7.5	1.			B3VP	7	132331	V	1
3453			-05 27 07.79		-0.0009 +			6					88	6	132329	V	1
3454			-05 36 10.68		-0.0010 -		8.3	6			1000		89	-6	132288	V	1
3455	V 372 ORI V 451 ORI	05 28 40 129			-0.0011 +		8.9	6					В9	6	94612	V	1
3456			-03 11 32.07		+0.0030 -		9.0	6					G0	6	132800	ν	ŀ
3457			-06 11 01.5		+0.0005 +		9.1	6				l i	AO	6	132366	V	
3458			-02 54 33 56		-0.0023		9.0	6	Post of				G2	6	132847	ν,	1
3459	V 643 ORI				-0.0009 +		8.4	6	1.1				B 5	6	132446	v	1
3460	V 901 ORI	05 36 24.343	-01 31 54.91		-0.0005		8.7	6	8.69	7	A 1	- 1	B2V	7	95271	ν	
3461	V 916 ORI		+13 58 48 00		-0.0006 +		8.7	6		7			B3	6	95281	V	
3462	V 917 ORI		+13 56 22 1		-0.0005		8.5	6		رخا	8.82	7	BZIBP	7	78223	· v	ļ
3463	V 963 ORI		+20 36 05 6		+0.0017 +		•420		2.260		4.380		M2IAB	ı.	113271	עפ	
3464	58 ALP ORI		+07 23 57.92				•130		0.100		0.550		Bala		131907	DV?	
3465	19 BET ORI		-08 15 28 6		-0.0002		1.640		1.420		0.540		B2111		112740	٧۶	1
3466	24 GAM ORI	05 22 26.828	+06 18 21.71	1	-0.0008		2.240		2.020		0.960		09.511		132220	DV	1
3467	34 DEL- 1 ORI		-00 20 04 41		-0.0002 -		6.87	•	2.020	*	0.500	-	B2V		132221	D	1
3468	34 DEL- 2 ORI		-00 19 11.8		+0.0003 -		1.690		1.510	١,	0.480	,	BOIA		132346	"	1
3469	46 EPS ORI		-01 13 56.30				1.770		1.560		0.500		09.5IB+B3		132444	DV?	1
3470	50 ZET ORI		-01 58 02.98		-0.0901 -		3.350		3.180		2.250		B0 • 5V		132071	Ďν	1
3471	28 ETA ORI		-02 26 29.58		-0.ne02 +		4.70	-	5.38	1		2	06P+B1?+B		132314	DV?	1
3472	41 THE- 1 ORI		-05 25 16 2		-0.0001 +			_		2		2	09.5VP	ľ	132321	DV?	1
3473	43 THE- 2 ORI	05 32 55.449			-0.0003 +		5.08 2.770	2	2.530	15	1.450		09111		132323	DV?	
3474	44 IOT ORI		-05 56 28 26		-0.0003 +				1.870		0.850		80.51E		132542	V?	
3475	53 KAP ORI		-09 41 09 45		-0.0002		2.050 3.390		3.200		2.170		08+0E5		112921	D'	1
3476	39 LAM ORI		+09 54 08.3		-0.0001 -			è	4.29	2		2	AM	l	113389	DV?	
3477	61 MU ORI		+09 38 56 6		+0.0009 -				4.27	2		2	B3V	ł	95259	1 37	1
3478	67 NU ORI		+14 46 34 - 37		+0.0004			2	4.31	2	3.65	2	B3V	*	95362	ļ .	
3479	70 XI ORI		+14 13 18.4		+0.0002 -			~	6.62	7	3.03	ľ	M3S	1	94176	V	
3480	4 OMI- 1 ORI		+14 10 08.3			-0.057	4+83	2		2	6.31	2	K2III	}	94218	D .	1
3481	9 OMI- 2 ORI		+13 26 13.6		-0.0051		4.06	2		2	4.84	2	AOP		94201	"	
3482	7 PI - 1 ORI		+10 04 22.5		+0.0030 -		4 • 67		4.36	2	4.39	2	ÃOV		112124	1	ŀ
3483	2 PI - 2 ORI		+08 48 57.6		+0.0001			2	3.650	15	3.640		F6V	i	112106	V?	1
3484	1 PI - 3 ORI		+06 52 32 2		+0=0311 +		3.190		3.520		2.710		BZIII		112142	V?	-
3485	3 PI - 4 ORI		+05 31 16.3		-0.0003 4		3.680		3.540		2.720		BZIII	i	112197	v	
3486	8 PI - 5 ORI		+02 21 37.2		-0.0003		3.730 4.49		5.89	2		2	KZII	l	112281	V?	1
3487	10 PI - 6 ORI		+01 38 20.0		-0.0004				5.64			2	KSIII		112528	DV?	1
3488	17 RHO ORI		+02 48 11.6		-0.0002		4.45			2	6.78 2.550		09.5V	1	132406	D	1
3489	48 516- 1 ORI		-02 37 38.4		-0.0002		3.800	1.	3.560		2.330	-	09.50		132400	l p	1
3490	48 SIG- 2 ORI		-02 37 36.9		-0.0009		6.62	l	6.420			1	D.7	١	132408	l b	^
3491	SIG- 3 ORI		-02 37 17.5		-0.0015		6.53	١.	6.320		1 - 0.0	١.	B3 B5III	1	131952	0	1
3492	20 TAU ORI		-06 53 49.0		-0.0014 -		3.590		3.470		3.010			1	132222	١ .	. 1
3493	36 UPS ORI	05 29 30 607			-0.0005			2	4.36	2	3.29	2	BOV	1	112914	1	
3494	37 PHI- 1 ORI		+09 27 26 6		+0.0000			2	4.26	2	3.29	2	BOIV	1	112914		-
3495	40 PHI- 2 ORI		+09 15 54.8		+0.0061			2	5.04	2	5.70	2	GSIIIP	1	77705		1
3496	54 CHI- 1 ORI		+20 16 07.3		-0.0133			2	5.00	2	5.08	2	GOV	1	77911	V2	
3497	62 CHI - 2 ORI		+20 08 28.9		+0.0002			2	4.91	2	4.24	2	B2IA	1	112775	DV	ı
3498	30 PSI ORI		+03 03 14.3		-0.0001			2	4.39	2	3.45	12	B2IV	1		"	
3499	47 OME ORI		+04 05 40.5		-0.0004			2	4.48	2	3.73	2	BSILIE	١	113001	l v	-
3500	R PAV		63 37 43.5	5	+0.0003	+0.021	7.1	4	i .	1	1	f .	M3E	4	254172	i v	-

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATION

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P 2	RA DEC PM PM	VISUAL MAG.	У 2	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	I
3501	S PAV	19 51 00.957	-59 19 37.62		+0.0004 -0.054	6.8	4		Π		Π	M7E	4	246334	V	t
3502	T PAV	19 45 08.004	-71 53 52.31		-0.0010 -0.008	7.3	4					M3E	4	257742	l v	1
3503	V PAV	17 38 59.828	-57 42 05.22		+0.0000 -0.049	8.3	4		1		:	NB	1 7	244964		ı
3504	X PAV	20 07 34.184	-60 n5 n9.20		+0.0059 -0.021	9.2	اخا			1	1	MC	-		עס	ı
3505	Y PAV	21 19 47.087	-69 56 56 26		+0.0027 -0.017	5.7	'	l .	l '	1	1		١٥	254747	y	Ŀ
3506	Z PAV	19 30 54.529	-62 52 07.13		+0.0032 -0.034	9.1	7	•				NO	1 .	254990	V	ı
3507	KZ PAV	20 53 50.503	-70 36 57-93		+0.0022 +0.020	7.6	6					MB	6	254601	V	ı
3508	MW PAV	20 41 17.978	-72 07 EE 36		+0.0095 -0.023		7		_	l	l_	F2	6	257869	V	ı
3509	NU PAV	19 57 32.635	-50 30 51.04			9.41	'	9.75	7	9,78	17	A5	6	257849	٧	ı
3510	RT PAV	18 30 55.665	-69 55 30 00		+0.0021 -0.029	5.12	ا ۔ ا	6.67	7	7.67	7	GM6	j .	245389	V	ı
3511	SX PAV	21 24 18.753	-60 43 07 70		-0.0027 +0.012	8.7	6		•		i i	1	1	257296	V	ı
3512	ALP PAV	21 24 10 733	-09 43 23.38		+0.0166 -0.050	5.3	. 1					GM7	1	255003	l v	ı
3513		20 21 42.289	-50 53 50 02		+0.0019 -0.085	1.940		1.740		1.030	1	B3IV	l	246574	V?	ı
		20 40 28.662	-00 23 05.42		-0.0061 +0.017	3.415		3.580		3,695	1	A5IV	l	254862		1
3514	GAM PAV	21 22 20 184	-05 35 38.76		+0.0154 +0.797	4.220		4.700	1	4.570	1	F8V		254999	V?	ı
3515	DEL PAV	20 03 50 451	-66 18 43.41		+0.1988 -1.141	3.560	1	4.320		4.780		G8V		254733	V?	1
3516	EPS PAV	19 54 50.758	-73 ₀ 2 43.83		+0.0188 -0.131	3.960	1	3.920	1	3.860		AOV		257757	٧2	ı
3517	ZET PAV	18 37 12.297	-71 28 28 15	ļ	+0.0016 -0.158	4.015	1	5.150		6.165		KZIII		257620	D	L
3518	ETA PAV	17 40 49.242	-64 42 09.86	- 1	-0.0005 -0.052	3.620		4.800		5.960		KIIII		254020		ı
3519	THE PAV	18 43 43.343	-65 n7 56 63		-0.0058 -0.081	5.73	2	5.97	2	6.0B		A4				1
3520	IOT PAV	18 05 47 292	-62 n0 54.61		-0.0110 +0.225	5.49	2	6.07	2	0.08	-			254374		ı
3521	KAP PAV	18 51 48.301	-67 17 57 08		+0.0000 +0.013	3.90	٦	4.500	٦			GO		254157	1	ŀ
3522	LAM PAV	18 47 35.414	-62 14 51.43		+0.0000 -0.018		١,١				١.	F5P		254413	V 1	l
3523	MU - 1 PAV	19 55 32.272	-67 05 01.32		-0.0023 -0.196	4.200		4.060	- 1	3.170		B1VE		254393	DV .	1
3524	MU - 2 PAV	19 57 01.732				5.76	2	6.∞80	2		2	GKO		254702		1
3525	NU PAV	18 26 42,408	-62 18 46 06		+0.0066 -0.072	5.31	2		2		2	GKO		254707		ı
3526	XI PAV	18 18 37.191	-61 71 00 65		+0.0006 -0.043	4.64	2		2		2	Beili		254273	V?	Ĺ
3527	OMI PAV	21 08 41.303	-70 40 EE 04		+0.0005 +0.004	4 36	2	5.84	2		2	K2III		254226		ı
3528		10 03 45 034	7/0 19 55 94	į	+0.0090 -0.027	5•02	2		2	8.15	2	M2III		257896		Ė
3529		18 03 45.934	-03 40 23.74		+0.0032 -0.185	4 • 35	2	4.57	2	4.75	2	A5V		254147	V?	Ĺ
	RHO PAV	20 33 24.831	-61 42 13,15		+0.0084 -0.065	5.03			- 1		- 1	5?F5	- 4	254835	V2	ı
3530	SIG PAV	20 44 35.935	-68 57 40.51	. [-0.0122 -0.052	5.41	2	6.53	2	7.62	2	GKO	i i	254871	١ ٠٠ ١	1.
3531	TAU PAV	19 11 07.597	-69 16 42.31	1	+0.0018 -0.023	6.27	2		2		2	A M?	ļ	254508	1	
3532	UPS PAV	20 37 23.405	-66 56 20 65		+0.0030 -0.024	5.15	2				2	Bav	- 1	254854	V?	i
3533	PHI- 1 PAV	20 31 27.383	-60 45 07.33		+0.0099 -0.180	4.76	2	5.04	2 2 2	5.09	2	FOV		254823	۷٠	1
3534	PHI- 2 PAV	20 35 55.079	-60 43 05.08		+0.0421 -0.569	5.12	2	5.65	5	3.07	-	F8V	- 1	254846	- 1	
3535	OME PAV	18 54 10.179	-60 16 n7.74	- 1	-0.0163 +0.035	5.14	2	6.51	2			K1III-IV	j	254423	j	
3536	1 PEG	21 19 46.347	+19 35 22.77	. 1	+0.0074 +0.066		2		2	6.25	2	KIIII	. 1		_	
3537	2 PEG	21 27 40.860	+23 25 07.70		+0.0017 +0.007	4.57	2		2	8.12	2	MIIII		107073	D	
3538	3 PEG	21 35 14.137	+06 23 33.95	ı	+0.0039 -0.003	6.17	2			0.12	5			89752	D	
3539	4 PEG	21 36 01.639	+05 32 40.30	٠ ا	+0.0075 +0.028	5.67			2		2	AO	1	126940	D.	
3540	5 PEG	21 35 24.935	419 05 33.85		+0.0072 +0.015		2	5.92	2	6.00	2	DA6		126956	0	
3541	7 PEG	21 39 45.354	+05 o7 o5 oo	1		5.36	_ [.			FOIV		107288		
3542	9 PEG	21 42 08.534	117 07 11 10	ļ	+0.0009 -0.003		2		2		2	GM2	Į	127002		
3543		21 72 00.334	TI UI 11.12	: 1	+0.0008 -0.010		2		2		2	G5IB	İ	107365		
3544	11 PEG	21 44 41.821			+0.0007 +0.003	5.64	2		2	5.62	2.	A0		127060	j	
	12 PEG	21 43 46,184	+22 43 03.07	- 1	+0.0005 +0.001	5.29	- 1	6.720	1	Î		KOIB	.	89972		
3545	13 PEG	21 47 45.825	+17 03 08.67		+0.0053 -0.058	5 • 24			ı	. [. 1	F2III	. 1	107425	0	
3546	14 PEG	21 47 37.796	+29 56 26.28	1	+0.0013 -0.024	4.98		4.930			- 1	AOV		90040	- I	
3547	15 PEG	21 50 15.806	+28 33 31 24	-1	-0.0046 -0.062	5.51	- 1				I	DFO	1	90065		
3548	16 PEG	21 50 47.084	+25 41 20.87	- 1	+0.0006 +0.002	5.07		4.890	- 1	- 1	- 1	B3V			1.	
3549	17 PEG	21 54 29.982	+11 50 17.71		-0.0020 -0.008	5.56	- 1	5.620	1	[AZV	- 1	90075	1	
3550	18 PFG	21 57 37.992	+06 28 36-77	٠. ا	+0.0006 -0.001		2		2	5.31	2	BSIII	- 1	107528	1	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC		P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C+T+NO+	STAR PROP.	
3551	19 PEG	21 58 40.273	+08 00 58.05	Г	-0.0007	+0.003	5.68						GK5		127239		1
3552	20 PEG		+12 52 46.68		+0.0039		5.62						DF2		107587	ח	
			+11 08 39.09		+0.0011		5.70		5.630			1	BOIV		107625		1
3553 3554			+28 43 13.44	١. ١	+0.0018		5.59		5.540			l	AOV		90217		1
3555	23 PE6 25 PE6		+21 27 31.64		-0.0034		5.78	2	5.68	2	5.27	2	B7V		90252	l	١
3556	28 PEG	22 08 08.187	+20 43 53.56	l	-0.0013		6.37	-	6.490			1	A4III		90287		1
3557	30 PEG		+05 32 15.23		+0.0014		5.37	2	5.35	2	4,88	2	B5111		127453	DV?	1
3558	31 PEG		+11 57 09.63		+0.0006		4.99	2	4.89	2	4.08		B2VE		107854		ı
			+28 04 41 10	•	+0.0013		4.81	2	4.81	2	4.62	2	BBV		90440	D .	1
3559	32 PEG		+20 35 42.07	l	+0.0240		6.01	-		-	7,02	1-	DF4		90462	D	١
3560	33 PEG		+04 08 16.86	ĺ	+0.0200		5.75	2	6.27	2	6.31	,	DF5		127529	Ď.	Į
3561	34 PEG		+04 26 39.41		+0.0054		4.80	2	5.86	2	6.74	5	K0111-1V		127540	"	ı
3562	35 PEG		+08 52 23.15	١.	+0.0034		5.58	2	7.13	2		2	GK5		127544		١
3563	36 PEG		+04 10 37.65		-0.0017		5.48	2	5.86	2	5.95	2	F5IV		127551	D	١
3564	37 PEG				+0.0027		5.47	-	5.370		3,00	-	B9V		72406	"	1
3565	38 PEG		+32 18 58 18		+0.0113				3.370	1			F0	1	107986	l •	-
3566	39 PEG		+19 58 18.35		-0.0030		6.20 5.72					1	667		108064	מ	ŀ
3567	40 PEG		+19 15 46.52		-0.0003		6.16		6.160				A2V		108078		1
3568	41 PEG	22 37 21.300	+19 25 12.95		-0.0019		6.27		0.100	1	100	١.	666		108154		1
3569	45 PEG		+19 06 08 89					3	6.17	2	6,37	2	65V		90896	٧?	ı
3570	51 PEG	22 55 00.357	+20 30 01.00		+0.0145		5.50	2	0.17	ا ۲	0,57	٦	FOV	ŀ	108307	י מ	
3571	52 PEG	22 36 41.593	+11 27 40 19	1	+0.0022		5.72 4.51	2	6.09	2	7.97	2	M2III		127976	1	ı
3572	55 PEG		+09 08 20.50		-0.0003		4.77	2	6.12	2	7.27	2	KOIBP		91019	V?	ı
3573	56 PEG		+25 11 53.04				5.39	2	5.31	2	5.02	2	B8		128007	· · ·	
3574	58 PEG		+09 33 02-54		-0.0009			2	5.29	2	5.37	2	AZV		128022		-1
3575	59 PEG		+08 26 53.78		-0.0005		5.16	٦	3.27	۱۴	3.77	1-	KOIV		91080	1	ı
3576	60 PEG	23 09 23 305	+26 34 36.76	ı	-0.0142		6.22	1				1	GK3		91130	l	1
3577	61 PEG	23 13 19.482	+27 58 30 19		+0.0012		6+33	.		1		l	GMO		73187	l	
3578	63 PEG		+30 08 30 63		+0.0062		5.65		5.230			İ.	B3V		73205	D	
3579	64 PEG	23 19 28.131	+31 32 17.67		+0.0003		5.34	ii	6.140				B9.51V		91220	"	
3580	65 PEG		+20 33 15.75		+0.0014		6.19		8.140			ľ	K3111		108580	D	
3581	66 PEG	23 20 33.117	+12 02 22.34		+0.0018		5.12		5.290			1	BOILI		73241	1 "	
3582	67 PEG	25 22 23.656	+32 06 35 86		+0.0011		5.41	1 1	5.760				AOIII		91278		
3583	69 PEG		+24 53 32 - 38	1	+0.0019		5.82 5.34	il	3.700		100	ľ	GM5	1	91340	V?	- 1
3584	71 PEG		*22 13 21.53	ŀ	+0.0040		1			1		1	K4111		73341	ם ו	-
3585	72 PEG		+31 02 57 19	١.			5.04 5.56				100	l	GKO	1	73345	l "	- 3
3586	73 PEG		+33 13 14.01	1	+0.0002		6.08		6.080	1		1	A2V		108729	i	
3587	74 PEG		+16 52 55 04				5.49	1	5.460			1	AIV		108732	סו	
3588	75 PEG		+18 07 24 71		+0.0034			4	3.400	1		ı	Ko	4	108782	1	
3589	76 PEG		+16 03 29.32				6.51	2	6.74	2	8.77	2	GM2	7	108789	V?	1
3590	77 PEG	23 40 49.519	+10 03 13.86	1	+0.0004		5.06 4.93	2	5.89	2	6.52	2	KOIII		91457	D	
3591	78 PEG		+29 05 04-11				5.89	-	3.02	1	0.52	٦	A3		91522	"	
3592	79 PE6		+28 33 50 55		+0.0050		5.29		:		l ·	1	A3	l	108879	V3	
3593	82 PEG		+10 40 09.09				6.78	<u>, </u>		1			Ko	4	91552	'''	1
3594	83 PEG		+21 27 52.98		-0.0012		5.75	2	6.42	2	6.47	2	G3V	1	91669	В	
3595	85 PEG		+26 49 02.92		+0.0628		5.48	-	U , 42.	-	0.77	-	GG5	Î	91701	"	
3596	86 PEG		+13 07 05 39		+0.0031		5.48			1		1	GG9	1	91734	1	
3597	87 PEG		+17 56 02.94		+0.0096			1	5.50	2	6.24	2	GSIII	1	108638	1	
3598	70 -Q PEG		+12 29 04.42		+0.0044		4.56	2	2.50	-	0.24	٦	1	4	108403	V	-
3599	R PEG		+10 16 21.49		-0.0003		6.9	4		1		1	M7E	4	128130	ľ	
3600	S PE6	23 18 00.950	+08 38 42.05	1	+0.0052	-0.028	7.3	4	i	1 .	1	1	M6E	1 4	150120	, v	- 7

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINA		P. N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG•	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
NONBER		22 06 27.303	L		Н	-0.0021	+0.009	8.4	4					M6F	4	107690	V	1
3601	T PEG	23 55 25.172	115 10	30.53	1	-0.0025		9.0	6				i		L _	10893	V	1
3602	U PEG		112 23	27.35	1	+0.0002	+0.002	7.6	5		1 1			WN6+M1-M3I		107436	V	
3603	AG PEG	21 48 36.185 22 10 54.212	+08 10	38.55	1 1	-0.0015		8.5	6		1			A0	- 6	127380 107100	ľ	
3604	AT PEG	21 21 40.385	+18 n3	49.37		+0.0005		9.2	6						l	90061	1 v	1
3605	AU PEG		+23 46	38.19	1 1	-0.0003		7.48	4					A2	4	90061	v	
3606	AW PEG	21 50 02.665	+28 58	18.50	1	+0.0002		8.6	6					MO	6		ľ	
3607	AZ PEG		+27 53	42:10		+0.0043		8.9	6		1		•	M8,	6	90732	v	
3608	BD PEG		14 19	15.69		+0.0002		8.6	6		1		1			107496	l v	1
3609	DF PEG	21 52 18.683 23 29 43.302	414 41	34.46		-0.0009	-0.016	8.7	6		1		1		١.	108667	l v	1
3610	DI PEG	23 39 00.796	+09 56	19.19	1 1	+0.0020		8.8	6		1			A5	6	128331	1 "	1
3611	DK PEG	= V 460 CYG			1						1.		1		4	126971	V	1
3612	EE PEG	21 37 34.216	+08 57	25.86		+0.0048	+0.012	6.78	4		1		1	A0	1 '	108506	ľ	
3613	EO PEG	23 14 16.422	+10 19	34.46	1	+0.0024	+0.000	8.4	6		4			MB	6	91141	lů	-
3614		23 14 26.000	+25 26	46.25		-0.0052	+0.013	9.1	6				1	G5	6	90568	l v	
3615	EZ PEG GX PEG	22 29 14.976	+29 17	09.39		-0.0034	-0.024	6.28					1_	A5	6	128001	DV	ı
3616		23 06 59.919	+08 24	21.18			+0.008	5.11	2	6,58	2	7.58	2	MATTIAS	1 '	128421	1	1
3617		23 48 47.965	+09 02	10.26		-0.0012	-0.057	5.79	2	7.45	2	9.18	2	GM3	١,	90805	l v	
3618		22 46 41.444	+27 05	35.27	1	+0.0008	+0.001	9.9	7		1	1		M3	6	72019	l v	- [
3619		22 03 30.979	+35 06	17.43		-0.0006	-0.002	8.5	6		1		1	MC	6	90201	ľ	
3620			+28 06	20.37	1	+0.0011	-0.004	7.0	7		1		1	M6-M7	7	107813	١v	-
3621	TW PEG		+13 21	27.53	ıl		-0.023	8.6	6				1	MB	6	71992	V.	1
3622	TX PEG		+35 31	00.31			-0.008	8.6	6		1		1	AO	6		ľ	1
3623	UV PEG		30 01	46.18	3		-0.008	10.6	7			1	١.	M1	6	72680	V2	
3624	UY PEG		+14 56	09.11			-0.038	2.480	1	2.440		2,380		B9.5III	1	90981	υV	-
3625	54 ALP PLG		1 +27 48	40.45	5		+0.142	2.420		4.090		6.050		M2II-III			V	1
3626	53 BET PEG		114 64	20.5	,	+0.0002	-0.007	2.840	1	2.61	0 1	1.750	1	BSIA	1	91781	1 "	i
3627	88 GAM PEG		1127 3	. 2010.					1				١.		1	127029	DV?	-
3628	DEL PEG	1	1+na - 1	41.69	əl	+0.0020	+0.005	2.390	1	3.91		5.610		K2IB		108103	D	1
3629	8 EPS PEG		110 34	11.39	5		-0.008	3.400	1	3.31		3.070		B8V	1		I	- [
3630	42 ZET PEG		29 57	33.42	5		-0.021	2.950	1	3.81				G8II?+F?		90734	V?	-1
3631	44 ETA PEG		1-05 57	7 04-1.	3		+0.032	3.550		3.62	0 1	3.720		A2V	1		\ v.	- 1
3632	26 THE PEG		125 06	01.7			+0.028	3.760	1	4.20				F5V	1	90238	0	-
3633	24 IOT PEG		+25 26	51.9	7		+0.015		2	4.56				F5IV				- 1
3634	10 KAP PEG		3 423 18	07.4	il		-0.006			5.02		5.93		G8II-III		90775		- 1
3635	47 LAM PEG		1 -24 20	1 13 7	2		3 -0.036		1	4.42				GSIII	1	90816		
3636	48 MU PEG		104 1	1 44.1	7		+0.105		2	6.28	2	8.08	2	K4III		127285		- 1
3637	22 NU PEG		2 11 5	57.2	4		-0.493		2					F7V	1	108165		1
3638	46 XI PEG		7 129 0	2 46.1	il		4 -0.022		2	4.78	2	4.77	2	A1V		90717		1
3639	43 OMI PEG		1 132 5	5 38.7	7]		8 -0.062						- 1	GG6	i	72064	1 -	- 1
3640	27 PI - 1 PEG		0 132 5	5 55 9	7		2 -0.017							F5II-III		72077	t t	- 1
3641	29 PI - 2 PEG		0 +08 3	2 55.8	в		2 +0.019							AIV		127839		
3642	50 RHO PEG		2 +09 3	4 08.9	вl	+0.035	3 +0.049	5.16								127810 91186		
3643	49 516 PE		5 +23 2	7 59.2	ē	+0.002	4 -0.002	4.60						ASIV			1 .	
3544	62 TAU PE		9 +23 0	7 43.2	n		0 +0.043		2	5.02	2	5.16	2	F8IV		91253		
3645	68 UPS PE		A 418 5	0.33.3	ğ		3 -0.030			1		1		GM2		108878		
3646	81 PHI PE		2 119 5	5 43.6	1		7 +0.005											
3647	89 CHI PE		6 124 5	1 48-7	5		4 -0.027		2	6.25	12	7,92	2		ŀ	91611		ĺ
3648	84 PSI PE		6 154 K	4 n3-n	2		4 -0.003		- 1				1	B2V		22690		- 1
3649	1 PE	R 01 48 41.32 R 01 48 57.67	כ דבדוט		71		5 -0.022			5.56	10	1	- 1	B9	1	22696	'	- 1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

IUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA DEC PM PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAN CAT-NO.	STAR PROP.	0
3651	3 PER	01 55 22.097	+48 57 39.10		+0.0010 +0.042	5.67						GG7		×7665		Т
3652	5 PER	02 07 59.024			-0.0015 +0.010	6.35	2	6.68	2	6.25	2	BSIA		23011	ם ו	
3653	6 PER	02 10 15.926			+0.0366 -0.165	5.32	2	6.25	[2]	6.87	ĺž	KOIII		23047		12
3654	8 PFR	02 14 26.346		1.	+0.0076 +0.013	5.75	_	6.920		0.0.		GK3		23143		
3655	10 PER		+56 23 04.15		-0.0002 +0.512	6.25	2	6.55	2	5.94	2	B2TA		23304		
3656	11 PER		+54 53 38 58		+0.0044 -0.020	5.65	_	5.520	-		Ι-	B8		23555	1	1
3657	12 PER		+39 59 01.47		-0.0014 -0.184	4.92	2	5.51	2	5.65	2	F9V		55793	٧?	Ţ
3658	14 PER		+44 05 09.02		+0.0002 -0.004	5.46	-		-	3.03	Ι-	GOIB		38289		
3659	16 PER		+38 06 50 92		+0.0160 -0.104	4.23	2	4.57	2	4.65	2	F2III	l	55928		1
3660	17 PER		+34 51 19.19		+0.0012 -0.062	4.53	2	6.09	2	8.01	2	KSIII		55946		
3661	20 PER		+38 08 06.74		+0.0040 -0.074	5.25	-		-	0.02	1	F4V	l	55975	002	
3662	24 PER		+34 59 02.76		-0.0039 +0.010	4.94	2	6.19	2	7.47	2	KZIII		56052		
3663	29 PER		+50 02 26.47		+0.0031 -0.023	5.15	2	5.09	2	4.53	2	B3V		23944		
			+43 50 34.19		+0.0030 -0.026	5.47	2	5.41	2	5.07	2	B8V	l	38704	1	
3664 3665			+49 54 50 23		+0.0024 -0.022	5.03	2	4.97	2	4.44	2	B5V	l	38714		l
	31 PER		+49 20 15 04		+0.0027 -0.024	4.67	2	4.58	2	4.01	2	B5V		38872	ם	
3666	34 PER		+45 53 21.30		-0.0050 -0.066	5.32	2	5.73	2	5.71	2	F4III	ĺ	38924	Vo	l
3667	36 PER		+37 35 53.44		-0.0093 -0.190	6.09	5	7.04	2	7.79	2	KIIII		57000	1	1
3668	49 PER 50 PER		+37 54 38 68		+0.0139 -0.198	5.47	-		-	1.0	-	DF7	١.	57006	ס	1
3669			+34 26 52.30		-0.0019 -0.003	4.98					l	G8111	:	-7171	"	1
3670	54 PER		+34 00 59.92	٠.	+0.0016 -0.043	5.54		5.470			Ì	B7V		57212		1
3671	55 PER		+33 50 47.28		+0.0035 -0.071	5.73		3.410		1,474		DF5		57216	D/\2	ı
3672	56 PER 59 PER		+43 16 19.02		+0.0036 -0.049	5.21					1	AO		39699	J	-
3673 3674			+50 33 08.98		+0.0097 -0.127	5.28	2	5.69	2	5.69	2	FSIV	1	24314	D.	-
			+50 10 28 93		+0.0050 -0.052	4.61	2	4.65	2	4.68	2	A2	1	24531	ľv	
3675	-B- 1 PER -B- 2 PFR		+50 48 05.63		+0.0006 -0.002	5.50	-	710,5	-	4.00	٦	BZIV		24544	V?	1
3676			+46 22 53.01		+0.0019 -0.036	4.86	2	4.84	2	4.30	2	Beili		39483	V2	1
3677	53 -D PER 58 -E PER		+41 09 50 57		-0.0013 -0.016	4.27	2	5.49	2	6.28	2	KO+A3		39639	'	1
3678			+40 21 32.43		+0.0012 -0.023	4.71	2	5.72	2	6.36	2	GO+A5		39409	ļ	1
3679 3680			+54 14 49.01	٠.	+0.0040 +0.003	5.04	2	4.96	2	4.64	2	BBV		22859	1 .	1
3681			+56 56 22.44		+0.0005 +0.008	6.66	4	4.50	٦	7.07	٦	80	4	23182	פ	١
	→H PER 9 →I PER		+55 37 05.42		-0.0001 +0.004	5.17	2	5.54	2	5.43	2	AZIA	7	23256	Ιŏ	-
3682	9 -I PER -K PER		+56 30 40 • 39		-0.0019 +0.077	4.93	^	5.04	-	3,73	-	KOII-III		23791	<u> </u>	.
3683 3684			+43 09 01.96		-0.0054 +0.001	4.95	2	4.99	2	5.06	2	A3V	'	38750	V?	١
			+42 57 33.02		+0.0003 +0.005	6.02	٦	4.32	-	3.00	-	DF1	100	39604		ı
3685			+32 56 22.93		-0.0023 +0.001	5.10		5.180				AZV		56727		1
3686 3687	42 -N PER 40 -0 PER		+33 48 22.37	l	-0.0004 -0.007	4.96		4.940				B0.5V		56646	D	ŀ
			+35 30 01.93		+0.0004 -0.008	7.9	4	10,510	1		1	M2E	4	56496	V	1
3688			+58 21 33.90	ĺ	+0.0009 +0.016	7.2	4		1.			M5	4	23261	l v	1
3689	S PER T PER		+58 43 53.52		-0.0041 -0.008	8.34	4	4 .				K5	4	23183	ľ v	1
3690			+54 34 48.93		+0.0036 +0.006	7.0	4		l		1	M6E	4	22817	Ιv	1
3691			+56 46 37.54	1	-0.0042 -0.005	8.2	1 .		1		1	M7	4	23647	v	1
3692			+30 54 00 82		-0.0010 -0.005	6.10	2	6.39	2	5.58	2	0 PE	_	56815	DV	1
3693 3694	X PER		+56 45 51.51		+0.0010 +0.005	7.2	6	5.57	-	3.33	1	M2-M3IAB	7	23207	v	1
3695			+33 18 46.54	l	+0.0010 -0.004	6.61	4					B3	и	56973	DV	1
					+0.0014 -0.007	7.95	5	8.84	7	1	1	F6-G1	7	57431	v	ı
3696	AW PER		+36 38 04 - 58		+0.0007 -0.011	8.7	6	U.07	l'	· ·	ļ	B9	6	23850	ľv	1
3697	AY PER		+50 44 33.16			8.0	5	1.0	1		ŀ	86V	7	23321	ľ	1
3698	DM PER		+55 52 40+13		+0.0004 +0.004		6		1			K5	6	23217	ľů	1
3699	FZ PER		+56 55 47 62		+0.0013 +0.013	7.8	6		1		ł	B9	7	39231	v	1
3700	IQ PER	100 00 144	+48 00 36 80	•	+0.0007 +0.009	1.03	10	1 -	1 1	I	1	1 07	' '	0.531	1 '	1

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATION

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC		P N	RA DEC PM PM	VISUAL MAG.	2 <	BLUE MAG.	B N		UN	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP	Ī
3701	IW PER	03 30 16.704	+39 43 57.35		+0.0005 -0.03	5.80	\vdash	5,910	\vdash		-		 	-		7
3702	IX PER	03 31 53.832	+31 51 04.17		+0.0041 -0.04		6	2.910	1			A M	ł	56538	V	1
3703	IZ PER	01 28 56.492	+53 45 43.43	1	+0.0012 +0.00	7.8	6		i			FO	6	56559	V	-
3704	KK PER	02 06 48-449	+56 19 24.78		+0.0005 +0.02							B8	6	22364	٧ .	- 1
3705	KP PER	03 29 12.536	+44 41 14.08		+0.0011 -0.01	1	6					K5	6	22994	V	-
3706	KS PER	04 45 20.088	+43 11 18.97		+0.0059 -0.00	6.40	2	6.43	2	5.70	2	B2IV	1	38927	V	1
3707	21 LT PER	02 54 14.716	+31 44 03.08		-0.0001 -0.00		6		١.			GOP	6	39773	V	1
3708	LX PER	03 09 53.306	+47 55 23.23		-0.0001 -0.02			5.090				A SI	1	56031	V	
3709	48 MX PER	04 05 01.311	147 74 51 77		+0.0065 -0.06		6					G5	6	38651	V	- [
3710	PR PER	02 18 07 954	+57 38 05.56		+0.0021 -0.02	1		4.000	1	3.450	1	B3V		39336	V	1
3711	RS PER	02 18 51 327	+56 52 55.18		-0.0002 +0.00		5					K5IBE-M2I	B 7 I	23234	v	1
3712	RY PER	02 43 19 630	+47 56 01.03	- 1	+0.0012 +0.01	8.5	6					M4	6	23257	V	ı
3713	ST PER	02 56 53.837	+30 CO 77 CO		+0.0000 -0.03		6					B 9	6	38304	v	- 1
3714	SU PER	02 18 35.127	156 02 75 02		-0.0000 -0.01		6					Α	6	56066	v.	1
3715	SV PER	04 45 16 520	+42 12 13.93		+0.0002 +0.01		6	, S				M3.5IAB	7	23250	v	1
3716	SW PER	04 07 24.640	TTE 12 13.93	.	+0.0005 +0.01		6							39783	v	1
3717	TT PER	01 47 14.072	742 04 50 02	- 1	-0.0004 -0.010	1	6					MA	6	39354	٧	1
3718	UZ PER	07 17 00 570	+53 29 43.31	1	+0.0018 +0.012		6		- 1			M5	6	22663	V	1
3719	VX PER	03 17 00.532	+51 50 29.15		+0.0006 +0.003		6		ı				1	56354	V	ı
3720		02 04 18.099	+58 12 22.87	- [-0.0011 +0.001	9•0	6		١ ١			G0	6	22945	v	ŀ
3721	— · · ·	01 59 47.167	+54 59 32.35	- 1	+0.0004 +0.005	8.0	6		I			M2	6	22875	v	1
3722		03 46 17.448	+38 49 49.78		+0.0025 -0.016	9.0	6	- 1	- [.	,,,	~ I	56726	DV -	١
3723		04 32 53.355	+44 52 36 08		+0.0002 -0.002	7.9	6		- [í	1.00	- 1	39636	v	1
3724		02 34 46.856	+56 49 49.37	- 1	-0.0002 +0.013	7.7	6		- 1			M2	6	23484	v	ı
3725		02 05 57.746	+56 45 20 14	-	-0.0018 +0.016	8.3	6	8.44	7	1		Billi	7	22971	v	١
3726		02 12 17.719	+55 45 51.38		+0.0001 +0.001	7.77	5	7.93	7		- 1	BOIII	7	23099	v	1
3727		02 12 32.364	+57 30 46.97	-	-0.0007 +0.002	8.8	6	9.13	7 I			BSIV	7	23102	v	ı
3728		02 13 26.656	+56 53 56 10		-0.0011 -0.004	8.5	6		7	1	J	BIIII	7	23116	v '	ı
3729		02 13 27.250	+56 29 15.68		-0.0048 +0.021	7.7	6	7.91	7		- 1	B2IB	7	23117	v	ı
3730	V 358 PER	02 13 37.852	+56 32 19.17	- [-0.0015 +0.000	8.2	6		7		- 1	BITTIPE	7	23124	v	ł
3731	V 362 PER	02 30 30.935	+58 11 11.35	- [+0.0009 +0.008	8.8	6		7		ı	BOIII	7	23434	v	L
3732	V 376 PER	03 45 40.654	+43 48 37.83	- [+0.0001 +0.024	5.85			1		- 1	Fo	6	39128	V	ı
	V 380 PER	05 59 51.752			-0.0019 +0.005	7.87	4	8.01	7			A3P	7	56925	v	L
3733	V 383 PER	03 03 26.431	+33 25 58 11		+0.0011 -0.009	7.7	6		7		- [89V	7	56158	v	1
3734 3735	V 386 PER	03 54 49 499	+34 40 18.22	ŀ	+0.0011 -0.016	6.36	- [- 1	1		- 1	ABV	7	56847	V	
	35 ALP PER	03 20 44.441	+49 41 06.03	- 1	+0.0026 -0.022	1.790	1	2.270	1	2.660	1 I	F5IB		38787	ν V > :	ı
3736	26 BET PER	03 04 54.356	+40 45 52.46		+0.0003 +0.002		1		ī	1.700		Bav		38592	י עם	I
3737	23 GAM PER	03 01 09.595	+53 18 44.28	-1	+0.0000 -0.002	2.930		3.630		4.080		G81117+A3	, [.	23789	יעט	ı
3738 3739	39 DEL PER	03 39 21.241	+47 37 46+34		+0.0028 -0.032		1		ī	2.380		85111		39053	۷۶	1
	45 EPS PER	03 54 29.432	+39 52 02.53	-1	+0.0015 -0.024		ī	2.710		1.710		B0.5V]	56840	DAS	ı
3740	44 ZET PER	03 50 58.959	+31 44 12.55	1	+0.0005 -0.009		ī	2.970		2.190		BilB	- 1	56799	DV2	İ
3741	15 ETA PER	02 47 01.935	+55 41 22.43		+0.0023 -0.011		1	5.480		7.380		K3IB		23655		ı
3742	13 THE PER	02 40 46.276	+49 01 06.44	-	+0.0342 -0.083		2		2	4.62		F7V	- 1		D	ŀ
3743	IOT PER	03 05 26.709	+49 25 26.63	1	+0.1295 -0.078		ī	4.650		4.760		GOV		38288 38597	D	ĺ
3744	27 KAP PER	03 06 06.756	+44 40 10.21		+0.0167 -0.153	3.810		4.790		5.620		KOIII	- 1		200	1
3745	47 LAM PER	04 02 50.904	+50 13 03.34		-0.0015 -0.034		2		2	4.27		Bah	. [38609	DV?	l
3746	51 MU PER	04 11 13.008	+48 17 n3.73		+0.0006 -0.016		2		2	5.74				24412]	ı
3747	41 NU PER	03 41 47 261	+42 25 20.61		-0.0012 +0.000	3.770		4.190		4.510		GOIB		39404	DV?	ĺ
3748	46 XI PER	03 55 42.825	+35 38 56 50	1	+0.0003 +0.001	4.040		4.060				F5II	1	39078	DV?	í
3749	38 OMI PER	03 41 10.598	+32 07 53.47 1		+0.0006 -0.009	3.830				3.130		07		56856	٧?	
3750	22 PI PER	02 55 33.275	+39 27 50.67	-	+0.0025 -0.037			3.88	1	3.130		BIIII	- 1	56673	DV	
		- 5 - 1 - 5 - 7 - 7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					~ 1	4.76		4.88	- 1	A2V		56047		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

35 15 16 16 16 17 17 18 18 18 18 18 18	NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N		B	UV MAG.	N	SPECTRAL CLASS	S N	SAO C-T-NO.	STAR PROP.	, o
3752 35 516 PER 0.3 27 02.277 47 49 27.84	4751	25 RHO PLR	u3 01 57.795	+38 38 52.85	+0.0111	-0.102	3.390	1		1					5613R	V	l
3754 PHI PER 02 250 41.856 52 33 33.90 \$0.0000 -0.001 3.950 1 4.000 1 5.160 1 51111-57 2255 3755 PHI PER 01 40 30.75 70.57 70.57 70.67			03 27 02.277	+47 49 27.84	+0.0004	+0.023	4 • 38	2							,	V2	1
3754			02 50 41.856	+52 33 33.90	+0.0000	-0.001	3.950	1	4.700	1	5,160	1	GSIII+A5		23685	٠,٧٥	ĺ
3756					1				1					L		l	1
375b 7 CHI PER 03 32 55.512 +48 01 41-40			• • • • • • • • • • • • • • • • • • • •	+50 26 15 92	+0.0027	-0.011	4.06	2		2	3,10	2		F.		V	1
3757 37 PSI PER 03 32 55.512 448 01 41.40 3758 08E PER 03 03 32 55.512 448 01 41.40 3758 08E PER 03 03 03.167 439 25 23.39 R PHE 23 55 52.010 -50 03 55.02 3760 1 AE PHE 01 30 29.024 -49 47 01.40 3761 AE PHE 01 130 29.024 -49 47 01.40 3762 AF PHE 01 01 33 8.820 -48 50 00.98 3763 AG PHE 00 02 426.984 -40 09 29.28 3764 AI PHE 01 17 24.600 -47 33 16.23 3765 AK PHE 01 17 24.600 -47 33 16.23 3766 AL PHE 01 17 24.600 -47 33 16.23 3767 5X PHE 23 43 54.191 -41 55 16.67 3767 5X PHE 23 43 54.191 -41 55 16.67 3769 5Z PHE 01 26 21.776 -43 34 25.51 3770 ALP PHE 00 22 40.499 -42 29 13.54 3771 BET PHE 01 26 11.776 -43 34 25.51 3773 BET PHE 01 26 11.776 -43 34 25.51 3773 BET PHE 01 02 63 17.51 -64 01 22.71 3773 BET PHE 01 02 53 36.80 -48 64 55.65 3776 5X PHE 23 36 47.311 -46 54 55.65 3776 5X PHE 23 36 47.311 -46 54 55.65 3778 THE-2 PHE 01 06 32.325 -09 44 72.20 3778 THE-2 PHE 01 06 32.350 -49 47.25 3778 THE-2 PHE 01 06 52.775 -46 01 22.71 3778 THE-2 PHE 01 06 52.775 -46 01 22.71 3778 THE-2 PHE 01 06 52.775 -46 01 22.71 3778 THE-2 PHE 01 06 37.51 -50 04.572 -0.0015 -0.003 -0.0015 -0.003 -0.0015 -0.003 -0.0015 -0.003 -0.0015 -0.003 -0.0015 -0.003 -0.0015 -0.003 -0.0015 -0.003 -0.0015 -0.003 -0.0015 -0.003 -0.0018 -0.003 -			02 14 32.316	+57 17 09+57	-0.0023	+0.010								l i		מ	1
3758 28 0ME PER 03 03 03 103 107 +39 25 23.39 -0.0032 0-0.008 4.64 2.57 2 6.77 2 80111 3702 3759 3750 S PHE 23 55 25.010 -50 03 55.02 -0.0033 0-0.008 7.5 7 4 24806 3750 3761 AE PHE 01 03 20.9024 4.09 29.28 4.0015 -0.0037 -0.0012 -0.0012 -0.003 8.5 6 2.1503 3763 3764 AI PHE 01 07 20.803 -46 31 54.76 -0.0007 -0.0016 8.5 6 3.376 3.68 AL PHE 01 23 05.022 -46 11 11.96 -0.0043 -0.003 8.5 6 8.93 7 11.26 7 MB 6 21503 3766 AL PHE 01 23 05.022 -46 11 11.96 -0.0023 -0.003 8.5 6 8.93 7 11.26 7 MB 6 21503 3766 AL PHE 01 28 20.499 -42 57 51.88 -0.00021 -0.003 8.5 6 9.79 7 11.26 7 MB 6 21503 3770 ALP PHE 01 28 20.499 -42 57 51.88 -0.00021 -0.003 -0.005 7 -0.003 -0.005 7 -0.0003 -0.005 7 -0.0003 -0.005 7 -0.0003 -0.005 7 -0.0003 -0.005 7 -0.0003 -0.005 -0.005 -0.0003 -0.005 -0.005 -0.005 -0.005					+0.0025	-0.023										1	1
3759 R PHE 23 55 22 -010 -50 03 55 02				+39 25 23 39	-0.0020	+0+008			5.75	2	6.77	2				l v s	1
3760 S				-50 03 55 02	-0.0030	-0.004	-		l I							V	1
3761			23 56 29.695	-56 51 13.23				4		, i						v	
3762 A6 PHE 00 13 38.820 -48 50 00-98	_			-49 47 01.40	+0.0169	-0.043	7.92	4				_		-		ľ	
3765			nn 13 38 820	-48 50 00 98			8.5	6	10.03	7	11.48	7		1 -		ľ	1
AI				-40 09 29 28	+0.0057	-0.030								1 -		v	
3765				3 -46 31 54.76	+0.0048	-0.003	8.5		1 - 1			۱_				ľ	
3766 3767 3768 3769 3769 3769 3769 3769 3769 3769 3770 ALP PHE 01 28 20.499 - 42 57 51.88								6				17				v	1
3767			01 23 05.022	-46 11 11.96				14	9.79	7	11.26	l ′		0		v	1
3766 SY			23 43 54 191					4-	Î l					1 "		ľ	1
3769 3770 3771 3771 3771 3772 3772 3773 3774 3775 3775 3776 3777 3776 3776 3776 3776		SY PHE							1 1			1	PB .	١ ٥		ľ	
3770 ALP PHE 00 23 49.029 -42 37 49.029 -42 37 49.029 -42 37 49.029 10 35 51.357 -46 59 09.77		SZ PHE	01 31 54.597	-43 29 51 32 ·								١.	VOTTT.	1		1	1
3771 BET PHE 01 03 51.357 -46 59 09.77 L 3772 GAM PHE 01 26 11.776 -43 34 25.93 -0.00129 +0.0005 3.310 1			00 23 49.029	-42 34 38 54										1 - 1		DV?	1
3772 GAM PHE 01 26 11.7/6 43 34 25.93 3773 OEL PHE 01 29 10.327 49 19 55.19 3774 EPS PHE 00 06 52.775 -46 01 23.71 3775 ZET PHE 01 06 17.251 -55 30 45.72 3776 ETA PHE 00 41 06.809 -57 44 13.25 3777 THE-1 PHE 23 36 46.731 -46 54 55.65 3778 THE-2 PHE 23 36 47.311 -46 54 55.65 3779 10T PHE 23 36 23.520 -42 53 30.27 3780 SAP PHE 00 29 00.580 -49 04 47.28 3781 LAM-1 PHE 00 38 58.031 -46 21 33.10 3782 LAM-2 PHE 00 38 58.031 -46 21 33.10 3784 NU PHE 01 12 55.906 -45 47 53.11 3785 SI PHE 23 56 20.774 -53 01 30.51 3786 P1 PHE 23 56 20.774 -53 01 30.51 3787 RHO PHE 03 48 24.814 -51 15 33.91 3788 SIG PHE 23 44.814 -51 15 33.91 3789 TAU PHE 23 58 30.781 -49 05 17.74 3790 UPS PHE 10 52 37.583 -42 44 30.17 3791 PHI PHE 01 52 17.583 -42 44 30.17 3792 CHI PHE 01 52 17.583 -42 44 30.17 3794 OME PHE 00 59 55.216 -57 16 16.58 3796 W PIC 05 59 14.021 -44 53 51.28 PIC 04 44 44 92.277 -49 20 07.11 3796 W PIC 05 59 14.021 -44 53 51.28 PIC 04 56 16.720 -52 13 18.880 -0.0005 -0.002 9.0 7		BET PHE	01 03 51.35	7 -46 59 09•77 L										ł		, v.s	1.
3773 DEL PHE 01 29 10.32 -49 19 55.19 3774 EPS PHE 00 06 52.775 -46 01 23.71 +0.0124 -0.177 3.8680 1 3.860 1 4.270 1 86V 23230 3775 ZET PHE 01 06 17.251 -55 30 45.72 +0.0024 +0.031 3.960 1 4.350 1 4.270 1 86V 23230 3776 ETA PHE 00 41 06.809 -57 44 13.25 +0.0024 +0.016 4.360 1 4.350 1 4.350 1 4.320 1 A0IV 23216 3777 THE-1 PHE 23 36 46.737 -46 54 54.72 +0.0010 +0.053 7.35 4 +0.0026 +0.039 6.64 4 4.350 1 7.35 4 +0.0026 +0.039 6.64 4 4.350 1 7.35 4 +0.0026 +0.039 6.64 4 4.350 1 7.35 4 +0.0026 +0.039 6.64 4 4.799 2 4.86 2 32.36 7.35 1 A0IV 23171 3778 THE-2 PHE 00 23 44.906 -43 57 25.67 7 +0.0036 +0.005 4.71 2 4.80 1 4.210 1 A7VN 21509 7.380 KAP PHE 00 23 44.906 -43 57 25.67 +0.0044 +0.005 4.770 1 4.780 1 4.820 1 A7VN 21509 7.383 MU PHE 00 33 18.316 -48 16 29.40 +0.0044 -0.098 5.52 7.3783 MU PHE 00 33 58.031 -46 21 33.10 7.004 4.590 1 5.560 1 5.540 1 5.640	3772	GAM PHE												1		''	1
3774	3773	DEL PHE												1		1	1
3775	3774	EPS PHE												1		טים 📗	1
3776 ETA PHE 00 41 06.819 -57 44 13.23 3778 THE- 1 PHE 23 36 46.737 -46 54 54.72 40.0010 +0.053 7.35 4 4 4 4 4 771 2 4 79 2 4 8 8 7 8 7 7 7	3775	ZET PHE												1	232162	D	ŀ
3777 THE-1 PHE 23 36 47.311 -46 54 55.65	3776									-	4.520	1	^024	1 .	231718	0	
3778	3777								1	ĺ			A 78			Ď	
37780 3780 3781 3782 3783 3784 NU PHE 00 00 00 00 00 00 00 00 00 00 00 00 00	3778			1 -46 54 55 65					11 70	١,	. 04	٦		7	231675	DV :	1.
3780	3779			1 -42 53 30 27										1		~	
3781				5 -43 57 25 67											215131	b	
3782 3783 MU PHE 00 38 58.031 -46 21 33.10 3784 NU PHE 01 12 55.906 -45 47 53.11 3785 XI PHE 00 39 30.000 -56 46 34.68 PI PHE 00 39 30.000 -56 46 34.68 PI PHE 00 48 24.814 -51 15 33.91 3788 SIG PHE 23 44 37.216 -50 30 14.18 3789 TAU PHE 01 05 30.962 -41 45 14.23 3790 UPS PHE 01 05 30.962 -41 45 14.23 3791 CHI PHE 01 52 17.583 -42 44 30.17 3792 PSI PHE 01 51 38.578 -46 32 48.92 3793 PSI PHE 01 51 38.578 -46 32 48.92 3795 R PIC 04 44 49.277 -49 20 07.11 3796 RT PIC 05 59 14.021 -44 53 51.28 3796 RT PIC 05 59 14.021 -44 53 51.28 3797 PTC 04 56 18.720 -52 13 18.80	3781							1 *	4.700	1	4.020	1			215157		1
3783 3784 NU PHE 01 12 55.906 -45 47 53.11 785 XI PHE 00 39 30.000 -56 46 34.68 786 PI PHE 23 56 20.774 -53 01 30.51 787 RHO PHE 00 48 24.814 -51 15 33.91 788 TAU PHE 23 58 30.781 -49 05 17.74 789 PHE 01 05 30.962 -41 45 14.23 789 TAU PHE 01 52 17.583 -42 44 30.17 789 PHI PHE 01 55 38.578 -46 32 48.92 789 R PIC 04 44 49.277 -49 20 07.11 789 PY PIC 05 541 50.156 -46 28 30.99 780 PY PIC 04 56 18.720 -52 13 18.80 780 PY PIC 04 56 18.720 -52 13 18.80 780 PY PIC 04 56 18.720 -52 13 18.80 780 PY PIC 04 56 18.720 -52 13 18.80 780 PY PIC 04 56 18.720 -52 13 18.80 780 PY PIC 04 56 18.720 -52 13 18.80 780 PY PIC 04 56 18.720 -52 13 18.80 780 PY PIC 04 56 18.720 -52 13 18.80 780 PIC 04 56 18.720 -52 13 18.80 780 PIC 04 56 18.720 -52 13 18.80 780 PIC 04 56 18.720 -52 13 18.80								١.	5.560	١.	6 280	١.			215194		1
3784 3785 XI PHE O0 39 30 0000 -56 46 34 68 34 68 3786 PI PHE D0 39 30 0000 -56 46 34 68 40 0059 +0 0066 5 14 5 3787 RHO PHE D0 48 24 814 -51 15 33 91 -50 30 14 -18 3788 SIG PHE D1 SIG DPS DPS DPS DPS DPS DPS DPS DPS PHE D1 S2 358 30 -781 -49 05 17 -74 -0 0033 -0 0033 -0 0033 -0 0034 -0 0034 -0 0034 -0 0035 -0 0034 -0 0035 -0 0034 -0 0035 -0 0034 -0 0035 -														1	215428	1	1
3785 3786 PI PHE 23 56 20.774 -53 01 30.51 3787 RHO PHE 00 48 24.814 -51 15 33.91 3788 SIG PHE 23 44 37.216 -50 30 14.18 3789 3790 3790 3791 PHI PHE 01 55 217.583 -42 44 30.17 3792 CHI PHE 01 59 42.158 -44 57 12.68 3793 3794 OME PHE 00 59 55.216 -57 16 16.58 3795 R PIC 04 44 49.277 -49 20 07.11 3796 3797 RT PIC 05 51 50.156 -46 28 30.99 3797 RT PIC 05 51 50.156 -46 28 30.99 3798 R PIC 04 44 49.277 -49 20 07.11 3796 RT PIC 05 51 14.021 -44 53 51.28 PIC 04 56 18.720 -55 13 18.80 PIC 05 56 18.720 -55 13 18.80 PIC 06 56 18.720 -55 13 18.80 PIC 07 56 18.720 -55 13 18.80 PIC 08 56 18.720 -55 13 18.80 PIC 08 56 18.720 -55 13 18.80 PIC 09 56 18.720 -55 13 18.80 PIC 09 56 18.720 -55 13 18.80 PIC 09 56 18.720 -55 13 18.80 PIC 09 56 18.720 -55 13 18.80 PIC 09 56 18.720 -55 13 18.80 PIC 09 56 18.720 -55 13 18.80 PIC 09 56 18.720 -55 13 18.80 PIC 09 56 18.720 -55 13 18.80 PIC 09 56 18.720 -55 13 18.80 PIC 09 57 18.720 -55 18.720 -55 18.720 -55 18.720 -55 18.720 -55 18.720 -55 18.720 -55 18.720 -55 18.720 -55 18.720 -55 18.7				5 -45 47 53.11								1		1	232152	DV?	1
3786 3787 RHO PHE 00 48 24.814 -51 15 33.91 3788 SIG PHE 23 44 37.216 -50 30 14.18 3789 TAU PHE 01 05 30.962 -41 45 14.23 +0.0033 +0.009 3791 ST91 ST91 ST91 ST91 ST91 ST91 ST91 ST				-56 46 34 66				-	3.70	7				1	248087	ļ	1
3788 SIG PHE 23 44 37.216 -50 30 14.18				1 -53 01 30 51				ء ا	5-58	2		1		1	232203	V	1
3789 3789 3789 3789 3790 UPS PHE 01 05 30.962 -41 45 14.23 +0.0033 +0.009 5.21 2 5.37 2 5.46 2 2 5.46 2 2 5.46 2 2 5.46 2 2 681II A3V 21537 21537 25.65 21537 215				-21 12 23.41								ŀ		1	248018	1	
3789 3790 UPS PHE 01 05 30.962 -41 45 14.23 +0.0033 +0.009 5.21 2 5.37 2 5.46 2 4.91 2 A0 21537 3791 PHI PHE 01 52 17.583 -42 44 30.17 -0.0034 -0.028 -0.014 5.11 2 5.05 2 4.91 2 A0 GK5 21573 25.66 3793 PSI PHE 01 51 38.578 -46 32 48.92 -0.0083 -0.081 +0.007 +0.023 -0.0083 -0.081 +0.007 +0.023 -0.0083 -0.081 -0.083 -0.083 -0.083 -0.083 -0.083 -0.083 -0.083 -0.083 -0.083 -0.083 -0.083 -0.083 -0.083 -0.083 -0.0				5 -50 30 14 - 10					_			1		1	231895	!	1
3791 PHI PHE 01 52 17.583 -42 44 30.17			23 58 30 78	1 -49 00 1/•/4								2		1	215374	D	
3792 CHI PHE 01 59 42.158 -44 57 12.68 -0.0028 -0.041 5.14 2 6.63 2 8.45 2 GK5 21573 793 PSI PHE 01 51 38.578 -46 32 48.92 -0.0083 -0.081 4.410 1 6.000 1 7.710 1 M4III GBIII GBIII GBIII GBIII GBIII M2E 4 49.277 -49 20 07.11 +0.0045 +0.036 6.5 4 7.05 2 17.78				2 41 45 14 25											215697	1	
3793 PSI PHE 01 51 38.578 -46 32 48.92 -0.081 4.410 1 6.000 1 7.710 1 M4III 6311														1	215739	1	1
3794 OME PHE 00 59 55.216 -57 16 16.58 +0.0007 +0.023 6.11 2 7.05 2 68111 23226 7.05 2 68111 23226 7.05 2 68111 23226 7.05 2 68111 2 7.05 2 68111 23226 7.05 2 68111 2 7.05 2 68111 2 7.05 2 7.			01 59 42-15	8 -46 72 48.00							7.710	1		1	215696	V	
3794 OME PHE 00 39 33.217 10 10.00 10 10.00 10 10.00 10 10.00 10 10.00 10 10.00 10 10.00 10 10.00 10 10.00 10 10.00 10 10.00 10.00 10.00 10 10.0				6 -57 16 16.5A			_					1	GBIII	1	232268	.1	1
3795 W PIC 05 41 50.156 -46 28 30.99 -0.0013 +0.008 7.6 4 N ? 4 21748 3797 RT PIC 05 59 14.021 -44 53 51.28 +0.0010 +0.019 9.0 6 6 6 6 21766 7798 PV PIC 04 56 18.720 -52 13 18.80 +0.0005 -0.002 9.0 7								4				1	M2E	4	216987	V	-
3796 W PIC 05 41 30-13 20 20 30-13 20 20 30-13 20 20 20 20 20 20 20 20 20 20 20 20 20								4		1	1.			4	217489	\ \ \ \	1
3/97 R1 P1C 05 35 17-75 35 18-80 +0.0005 -0.002 9.0 7 B9 23375							1 77.		1.5			1	G5 ·	6	217667	V	
												1	В9		233758	V	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3798									1	1	1	OA	6		٧	1
							4.			1		1			217277	٧	1

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAO CAT.NO.	STAR PROP.	
3801	SW PIC	06 01 31.649	-60 05 40 99	+0.0012	+0+004	6.50		8.08	7	9,89	7	Mì		249424	ν	I
3802	ALP PIC		-61 53 14.35	-0.0101	+0.266	3.265	1	3.475	1	3.615	1	A5V		249647		1.
3803	BET PIC		-51 05 01.75	+0.0005		3.855	1	4.025	1	4.135	1	A3V		234134		ł
1	GAM PIC	C5 48 55-024	-56 10 42.89	+0.0092		4.51	2	5.61	2	6.59	2	Killi		234154		ı
3804	DEL PIC	05 40 33,024	-54 57 24.59	-0.0009		4.84						Bn.5111	7	234359	V	ì
3805 3806	ZET PIC		-50 39 32.36	+0.0017		5.45	2	5.96	2			FBIII		233926	ŀ	ı
3807	ETA- 1 PIC		-49 13 16 97	-0.0051		5.39	2	5.81	2			DF4		217140	מ	١
3808	ETA- 2 PIC		-49 38 41.40	+0.0064	-0.001	5.01	2	6.47	2			M2III		217164	٧?	١
3809	THE- 1 PIC		-52 21 21.56	-0.0014	-0.017	6.8	4					AO	4	233964	D	1
3810	THE- 2 PIC		-52 21 33.19		-0.029	6.32	1		[A0		233965	Ö	1
3811	10T- 1 PIC		-53 32 45 52	-0.0107	+0.085	5 23	2	5.56	2			FOIV		233709	י כ	ı
3812	IOT- 2 PIC		-53 32 38.98	-0.0108	+0.083	6.44	1	6.780	1			F0		233710	מ	
3813	KAP PIC		-56 10 50 75	+0.0001	+0.027	6.11	2	6.01	2			B9	4	233952		1
3814	LAM PIC		-50 34 28 41	-0.0045	+0.039	5 • 31	2	6.29	2			GG8	1	233638		1
3815	MU PIC		-58 42 56 82	+0.0004	-0.011	5.78						B9	1	234564	ם	
3816	NU PIC		-56 20 32.97	-0.0043	-0.024	5.61	2	5.84	2		'	A M		234473	ŀ	ı
3817	1 PSC		+00 47 52.57	+0.0014	+0.006	6.11	2	6.31	2.	6.46	2	A3		127836		ı
3818	2 PSC		+00 41 43.79	+0.0056	-0.066	5.43	2	6.41	2	7.24	2	GK1		127881	ם	ŀ
3819	3 PSC		-00 04 58 82	+0.0026	+0.020	6.21	2	7.10	2	7.70	2	GG4		146443	_	1
3820	9 PSC		+00 50 51.75	+0.0028	-0.030	6 • 25	2	7.27	2	8.07	2	GG7	1	128188	۸5	1
3821	11 PSC		-02 03 59.72	-0.0010	-0.017	6.59	4		l		1	Ko	4	146733		ı
3822	12 PSC		-01 18 40 25	-0.0013	-0.027	7.10	4			1 7		G0	4	146735		ŀ
3823	13 PSC		-01 21 43.93	+0.0006	+0.022	6.38	2	7.56	2	8.66	2	GK1		146756		1
3824	14 PSC		-01 31 25.75	+0.0070	-0.007	5.87	2	6.17	2	6.33	2	A3M?		146780		1
3825	15 PSC	23 32 55 123	+01 02 12 54		-0.021	6 • 65	4	. 4		100	١.	K0	4	128270	l	1
3826	16 PSC		+01 49 28 45		+0.062	5.67	2	6.11	2	6.03	2	DF0	1	128281		1
3827	20 PSC		-03 02 22-61		+0.010	5.49	2	6.43	2	7.13	2	GBIII	1	146915		1
3828	21 PSC	23 46 53.769	+00 47 54+47		-0.024	5.77	2	5.93	2	6.04	2	A2		128401	1	ı
3829	22 PSC	23 49 24 141	+02 39 08.59		-0.010	5.54	2	7.07	2	8.92	2	K4II		128427	١,	1
3830	24 PSC		[-03 25 59·47		-0.041	5.93	2	7.00	2	7,96	2	GG9	Į.	146954	D	1
3831	25 PSC	23 50 31.017	+01 48 45.34		-0.006	6 • 28	2	6.27	2	6.26	2	AO		128436	1	1
3832	26 PSC	23 52 34 . 163	+06 47 34.70		-0.013	6.21	2	6.14	2	5.95	2	A1		128466	١ ,	١
3833	27 PSC	23 56 00.762	-03 50 00 24		-0.068	4 • 86	2	5.79	2	6.49	2	69111		147008	V.5	1
3834	29 PSC	23 59 15 615	-03 18 20 81		-0.004	5.11	2	4.99	2	4.48	2	Balli		147041	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1
3835	30 PSC	23 59 23.719	-06 17 30 91		-0.036	4.41	2	6.04	2	7.88	2	MSIV	l .	128544	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1
3836	31 PSC	23 59 50.387	+08 40 42.68		+0.003	6.32	2	6.50	2	6.64	2	A5	1	128572	1	1
3837	33 PSC		-05 59 13.96		+0.094	4 • 61	2	5.65	2	6.52	2	Killi	1	91750	D	١
3838	34 PSC		+10 52 03+14		+0.002	5.47		5.410			١,	B8V	1	109100	1 "	١
3839	36 PSC	00 13 59.725	1 +07 57 45.71		-0.008	6.11	2	7.03	2	7.69	2	GG6	4	91812		1
3840	37 PSC	00 14 10.720	+13 38 20+97		+0.007	7.50	4	i i			1	A3	1 *	109111	ח	-
3841	38 PSC		+08 35 52 29		+0.084	6.98	4		1			F5 F5	1 "	91825	"	١
3842	39 PSC		+16 03 13.73		-0.019	7.44	4		1			KO KO	4	91850	1	1
3843	40 PSC		+15 58 25 25	1	-0.001	6.77	4		1		1	GK2	"	91866	כ	١
3844	42 PSC		+13 12 18 46		+0.032	6.22	1.			1	1 .	KO	4	91881	1 7	
3845	43 PSC		1+14 02 18.98		+0.002	6.80	4	6 63	1	7 20	2	GG5	1 *	109192		١
3846	44 PSC		+01 39 46 70		0.012	5.77	2	6.63	2	7.20	100	E .	4	109195	1	- 1
3847	45 PSC		+07 24 53 46		L -0.044	7+18	4		1		l	KO KO	4	91909		١
3848	46 PSC	1 T. T. T. T. T. T. T. T. T. T. T. T. T.	1 +19 14 16 27		0.011	6.65	1.*		1		1	GK5	1 "	91912	1	١
3849	48 PSC		9 +16 10 07.58		3 -0.011	5.18	١		1		1	AO	4	91934	D	- [
3850	49 PSC	I no 28 11.068	8 +15 45 41 • 38	-0.002	0 -0 -002	6.94	4		1 .	1	í	I AU	1 **	1 12 134	1 7	- 1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V. N		B N	UV MAG.	N	SPECTRAL CLASS	S	SAO CATANO.	STAR PROP.	
3851	51 PSC	nn 29 48 829	+06 40 46.79	+0.0024	+0.013	5.67	2	5.67	2	5.50	2	An		109262	Ç	
3852	52 PSC		+20 01 09.15	+0.0095		5.40		6.470			-	GKD		74084	n	1
3853	53 PSC		+14 57 24.49	+0.0003		5.81		5.680			1	B3V		91995	V?	1
3854	54 PSC		+20 58 51.87	-0.0331		5.86	2	6.71	2	7.29	2	KOV		74175		1
3855	55 PSC		+21 09 51.71	+0.0020		5.42	_			. • - 1	ľ	KOII-III		74182	D . 1	
3856	57 PSC		+15 12 11.71	-0.0019	-0.040	5.36					ı	GM4		92072	V?	
3857	58 PSC	00 44 24.737	+11 42 05.50	+0.0037	-0.027	5.52						GG9		92080		1
3858	59 PSC	00 44 34.773	+19 18 20 69	+0.0070	+0.011	6.01	. 1	4.0			1	A5		92065		ı
3859	60 PSC	00 44 48 265	+06 28 06 15	+0.0008	-0.010	5.99	2	6.93	2	7.63	2	GG6		109461		
3860	61 PSC	00 45 15.380	+20 39 08 80	+0 = 9112	+0.011	6.45			1 1		1	DF6		74280	ם	1
3861	62 PSC	00 45 41.559	+07 01 38.29	+0.0073	+0.010	5.93	2	7.03	2	8.02	2	GG7		109470		1
3862	64 PSC	00 46 20.792	+16 40 15.74	-0.0001	-0.200	5.12			1 1			F8V		92099	_	1
3863	66 PSC	00 51 56.105	+18 55 03.39	+0.0013		5.70		5.690			5.0	A1V		92145	ָ ת	1
3864	70 PSC	00 59 30.651	+07 40 17.23	+0.0012		7 • 84	4					G5	4	109614	_ `	1
3865	72 PSC		+14 40 39.69	+0.0004		5•58			1 1			DF2		92230	יי	1
3866	73 PSC	01 02 16.992	+05 23 19.59	+0.0017		6.00	2	7.51	2	9.36	2	GK5		109656		1
3867	75 PSC		+12 41 19.12	+0.0010		6.13						GG7		92250	-	1
3868	76 PSC		+31 54 52 26	+0.0009		6.64	4		ا ہ ا		١.	K0	4		١,	
3869	77 A PSC		+04 38 33 19	+0.0013		6.34	2	6.72	2	6.68	5	DF5		1n9666 1n9667	ט	ı
3870	77 B PSC		+04 38 37.56	+0.0018		7.24	2	7.73	2	7.70	2	DF4		54445	l ''	
3871	78 PSC		+31 44 44.93	+0.0158		6 • 25	2	6.65	2	6.64	2	F5IV		92326		1
3872	87 PSC		+15 52 09 85	-0.0016		5.84	ا ۾ ا	5.750	ا ۱	0.10		Balli		109753		
3873	88 PSC		+06 43 52.56 +18 58 55.02	+0.0009		6.03 5.53	2	7.11	2	8.12	2	GG6 GK1		92444		1
3874	94 PSC		+05 05 44+34	-0.0014		7.33	4		1		ı	GO	4	109905	ס	1
3875	95 PSC		+07 02 12.05	-0.0019		6.68	4	A Charles of the		1		F2	4	109916		1
3876	96 PSC		+12 18 12.10	+0.0005		7.02	4			4 9 4		A3	4	92521	D	1
3877 3878	100 A PSC 100 B PSC		+12 18 15.80	+0.0009		8.1	4			1.		A7	۱ <u>۱</u> .	92522	Ď	1
3879	101 PSC		+14 24 23 13	+0.0002		6.13		6.090				B9111		92530	V?	ı
3880	103 PSC		+16 22 20 89	-0.0002		6.87	4				1	G5	4	92555	D	1
3881	104 PSC		+14 01 57.51	+0.0060		6.93	4					KO	4	92556	1	ł
3882	105 PSC		+16 09 10.30	+0.0053		5.92		33.5			1	GK2		92558		-
3883	107 PSC		+20 01 34.34	-0.0209		5.24	2	6.08	2	6.57	2	K1V	1	74883		1
3884	109 PSC		+19 50 02.99		-0.105	6.15					1	DG4		92611		1
3885	112 PSC		+02 51 31.64	+0.0152		5.88	2	6.50	2	6.69	2	DG1		110266	٧?	Į.
3886	5 A PSC		+01 51 18.97	+0.0095	+0.111	5.40	2	6.31	2	6.87	2	GBIV		127993		ı
3887	7 -8 PSC	23 17 47.637	+05 06 29.24	+0.0054	-0.056	5.05	2	6.25	2	7.37	2	K2III		128126	i	I
3868	32 -C PSC	23 59 56 192		-0.0065	-0.044	5.69	2	6.00	2	6.01	2	DFO		128547		1
3889	41 -D PSC		+07 54 45.79	-0.0002	+0.014	5 • 37	2	6.71	2	8.26	2	GK3		109152	V?	
3890	80 -E PSC		+05 23 08+68	-0.0177	-0.175	5.53	2	5.87	2	5.86	2	F2V		109697		1
3891	89 -F PSC		+03 21 06.23		-0.019	5.17	2	5.24	2	5.32	2	VEA.	l	109793		1
3892	82 -6 PSC		+31 09 33.62		-0.009	5.00	1					A7	1	54493	1	1
3893	68 -H PSC	00 55 07.383	+28 43 20.47	+0.0005		5.54	1			1		GG6	l	74395		
3894	65 -1- 1 PSC		+27 26 19.64	+0.0063		6.29	1			F 1 10 10 10 10 10 10 10 10 10 10 10 10 1	1	GF2	l	74295	D	
3895	65 -I- 2 PSC	00 47 11.766	+27 26 17.48	+0.0068		6.29	1				1	GF0	1	74296	D	1
3896	67 -K PSC		+26 56 19.28		+0.012	5.97	l: '	6.080			1	A3V		74373	i .	1
3897	91 -L PSC		+28 28 39.56		-0.067	5.30	1	1,000			1	GK5		74647		1
3898	R PSC	01 28 03.356	+02 37 27.97		+0.000	7.0	4				:	M4E	4	109934	٧	1
3899	S PSC		+08 40 04.87		-0.010	8.2	4		1			M7E	4	109789	l v	1
3900	Y PSC	23 31 52.679	+07 38 53.97	+0.0004	1+0.012	8.8	6		1	1	1	A2	6	128261	[V	Į

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

MO-18EK	STAR DESIGNATION	RT - ASCEN - xiR MN SEC	DECLINATION F DEG IN SEC N	2	RA PM	DEC PM	VISUAL MAG.	V V	BLUE MAG.	BN	UV MAG.	Ŋ	SPECTRAL CLASS	ر د د	5A0 CAT-NO.	STAR PPOP.	. (
3901	2 P ₅ C		+25 30 20 • 14		-0.0006	-0.007	6.9	4					NA :	4	74593	. 17	T
3902	RT PSC	01 11 03.729			-0.0000		8.7	۲.	4. 5. 5.	l			40	6	74573	ν	
3903	SZ PSC		+02 24 10.02	١.	-0.0002		8 • 1	6					65	6	128041	W.	1
J904	47 TV PSC	00 25 26.270	+17 36 59.07		+0.0082		6.9					1	MBITI		91910		1
3905	Tw P ₃ C	00 37 09.481			-0.0001		9.2	6							92012	1 1	
3906	19 TX P.C		+03 12 33.74		-0.0024		5-64	2	7.65	2	11.15	2	C6=2	1	128374	V	
3907	as ou PSC		+08 32 36 - 36		+0.0064		5.79	2	6.10	2	6.14	2	GA9	1	109087	י∨	
3906	UV PSC	01 14 18.530		1	+0.0055		8 • 7	6					65	6	109778	V	
3909	UZ PSC		+08 18 34.95		+0.0018		6 • 62	4	1 1			1	A2P	7	110111	V	
3910	97 VX PSC	01 27 10.619	+18 05 52 27		+0.0044		5.93	. 1	6.070				A4III		92463	. v	1
3911	VY PSC	01 43 52.168		H	+0.0037		6.37				N		A7N		92622	V	1
3912	ww PSC	υρ 57 13.983		- 1	+0.0014	-0.002	6.11	2	7.78	2	9.69	2.	GM2	7	109581	יער	1
3913	wZ P ₅ C	U2 03 35.631			-0.0005		6.66	4	8.28		10.14	7	M4	7	110337	V	1
3914	113 ALP PSC	U ₁ 59 27.392		- 1	+0.0020		3.82		3.84	2	3.75	2	A M-AP		110291	UV5	1
3915	4 BET PSC		+03 33 61.75	- 1	+0.0007		4.52	2	4.40	2	3.90		B5PF		127934		1
3916	6 GAM PSC		+03 60 31.65		+0.0507		3.690			1	5.170	1	G7111		128085		
3917	03 DEL PSC	UO 40 U5.113		- 1	+0.0056		4.44	2	5.95	2	7.83	2	KSIII		109474		
3910	71 EPS PSC	01 00 20.700			-0.0054			2	5.24	2		5	KOIII		109627		1.
3919	BE ZET- 1 PSC	01 11 06.933			+0.0095		4 • 86	2	5.18	2	5.27	2	A5		109739	טע:	
3920	66 ZLT- 2 PSC	u1 11 08.346			+0.0097		6.49	1				11	DF6		109740	ŋV?	1
3921	99 ETA PSC	U1 28 48.197			+0.0019		3.620	1	4.590	1	5.330		GSIII		92484	DV2	1
3922	IN THE PSC	23 25 25 805			-0.0082		4 • 30	2	5.38	2	6.41	2	KIIII		128196		
2952	17 TOT PSC	23 37 22.603				-0.432		2	4.64	2	4.64	2	F7V		128310	1	
3924	B KAP PSC	23 24 22.087			+0.0057			2		2	4.94	2	AP		128186	v	
3925	16 LAM PSC	23 39 29 636			-0.0087		4 • 51			2		2	A7V		128336		ŀ
3926	98 MU PSC	01 27 33.722	+05 53 12.21		+0.0197			2	6.22	2	7.74	2	K4III		109926		
3927	106 NU PSC	01 38 49.559	+05 14 07 13		-0.0016			5		2	7.36	2	KSIII		110065		1
3928	111 X1 PSC	U1 50 57.835			+0.0013			2		2	6.27	2	KOIII		110206	٧?	
5929	111 OMI PSC	01 42 44.968			+0.0048		4 • 26	2	5.22	2	5.90	2	GBIII		110110		
3930	102 PI PSC	01 34 26.628			-0.0045		5.56		1				A5N		92536		1
3931	93 RHO PSC	01 23 33.246			-0.0017		5 • 26						DF1		92436	V?	1
3932	69 SIG PSC	01 00 04.340	+31 32 10 89		+0.0011		5.38		5.330	- 1			B9V		54374		
3933	83 TAU PSC	01 08 53,974			+0.0056			2	5.61	2		2	KOIII-IV		74546		1
3934	9(UPS PSC	01 16 42.703			+0.0019			2		2		2	A2V _		74637		1
3935	85 PHI PSC	01 11 01.657			+0.0011			. S		2		2	KOIII		74571	. 0	
3936	84 CHI PSC	01 08 45.636			+0.0027			2		2	6.50	2	GBIII		74544		1
3937	74 PSI- 1A PSC	U1 02 59.772			+0.0036		5.55		5.510	- 1		-	B9.5IV		74482	D	1
3930	74 PSI- 18 PSC	01 03 00.520			+0+0034		5.82	- 1	5.780	1			B9V		74483	D.	1
3939	79 PSI- 2 PSC	01 05 15.941		-	+0.0062		5 58	İ	5.710	1			A3V		74506		1
3940	61 PSI- 3 PSC	01 07 08.495			-0.0004		5.50	. 1	_				GF5		92283		1
3941	28 OME PSC	23 56 44.493	TUD 35 11+41	-1	+0.0102	-0-109	4.010	1	4.430	1	4.500	1	F4IV		128513		1
3942	1	= GAM MIC	-0 -0 -1									.					1
3943	e PSA	21 03 21.537			+0.0000		5.26	_					GK3		212716		12 12
3944	3 PSA	21 10 19.673	-21 49 28.35	-	+0.0074	-0.116	5.42	2	6.84	2			KSIII		190129		[12]
3945		= EPS MIC							1	į	ĺ			.	,, <u> </u>		I
3946	5 PSA	21 26 04.793			+0.0018		6.60	1	- 1	- 1			Aŋ		213034		1
3947	6 PSA	21 29 13.447			+0.0003		5.99	_ [- 1	VISA		213078	DAS	İ
3948	7 PSA	21 33 48.984			+0.0071			2		2		.	A5	1	213136		
3949	8 PSA	21 33 17.244			+0.0083			2	5,95	2			A3M		190478	D	
3950	11 PSA	21 56 43.073	-27 52 12.76	- 1	+0.0029	+0.002	7 • 46	4					Fo I	4	190800	D	ŀ

STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG•	BN	UV MAG.	U N	SPECTRAL CLASS	5 N	SAN C-T-NO.	STAR PROP.	G N
3951	13 PSA	22 01 31.187	-30 09 34.39	+0.0011	+0.005	6.47	2	8.10	2			К5		213517		П
3952	19 PSA	22 39 35.486	-29 37 22.08	+0.0022	-0.011	6.17		7.690			l	GM5	1	191337		1
3953	20 PSA	22 42 48.015	-25 30 01.13	+0.0062	+0.020	6.85	4					AO	4	191382		1
3954	21 PSA	22 48 35.745	-29 48 05.90	-0.0003	-0.007	6.03					l	GG9	1	191444	l	1
3955	R PSA	22 15 09.869	-29 51 17.34	+0.0008	-0.022	8.5	4				l	M3E	4.	191030	ν	1
3956	T PSA	22 23 20.818	-29 20 11.39	+0.0032	-0.019	8.0	6				Į .	F2	6	191138	ν.	1
3957	V PSA		-29 52 43.37	+0.0032		!	7		1]	MB	6	191491	V	1
3958	SV PSA		-33 34 48.53	+0.0013			6				1	G5	6	213159	٧	
3959	TT PSA		-31 41 14.15	-0.0006			5				7	M7III	7	213500	٧.	1
3960	24 ALP PSA		-29 53 15.79	+0.0258	-0.161	1.160		1.250		1.310		A3V		191524		1
3961	17 BET- 1 PSA		-32 36 11.08	+0.0053		4.290		4.300	1	4.320	1	ADV		213883	D	
3962	BET- 2 PSA		-32 36 41.57	+0.0040		7.8	4						1	213884		ľ
3963	22 GAM PSA		-33 08 28.32	-0.0024		4.460		4.420		4.280		AOV		214153	DV?	'
3964	23 DEL PSA		-32 48 26 29	+0.0014		4.210		5.180		5,880		GG8		214189	ס	
3965	18 EPS PSA		-27 18 17.76	+0.0022		4.160	1	4.040	1	3.700	1	BBVE		191318		1
3966	ZET PSA		-26 19 46.83	+0.0026		6.53	_		۱.		1	GKO	1	191196	DV?	ł
3967	12 ETA PSA		-28 41 39.91	+0.0013		5.42	2	5.32			1	B8V	1	190822	ם	1
3968	10 THE PSA		-31 07 50 65	-0.0018		5.01	2	5.05			١.	AZIIIN	1	213292	D	
3969	9 IOT PSA		-33 15 17.86	+0.0028		4.340	1	4.290	11	4.180	1	AOSI		213258	D	ľ
3970	16 LAM PSA		-28 00 56 11	+0.0021		5-45		5.340	۱.		١.	Beili		190985	1.0	1
3971	14 MU PSA		-33 14 00 28	+0.0061		4.500	1	4.550	1	4,610	1	A2V		213576		1
3972	PI PSA		-35 01 12.70	+0.0058		5.11	ا را	5.410	١,			FOIV	1.	214275	V	1
3973	15 TAU PSA		-32 47 41 . 36	+0.0344			2	5.40	2	ļ		DF5	1	213602		1
3974	UPS PSA		-34 17 18.22	+0.0006		4.99		6.470	١.	0 200	ı.	GM1 GK5	1	213577	DV2	1
3975 3976	1 PUP		-28 17 27.46 -14 34 04.60	-0.0014		4.590	_	6.220	1 *	8.200	1	AO	1	174391 153363	D .	1
3977	2 A PUP		-12 04 07.99		+0.055	6.06 5.52			1		1	DF5	1	153414	D	1
3978	5 A PUP 2 B PUP		-14 33 48.31		-0.022	6.80	1	100	1			AC		153362	מ	1
3979			-28 50 03.19	-0.0008		3.950	,	4.130	١,	4.080	١	ASTIEP	1	174400	, i	
3980	3 PuP 4 PuP		-14 26 27.59		+0.003		2	5.37	ĺż		2	AGN	1	153372		1
3981	5 B PUP		-12 04 05 88		+0.028	8.2	4	3.37	1-	3.70	٦	DG3	1	153413	l n	
3982	6 PUP		-17 05 59.44	+0.0033		5.54			1		1	K3111	1	153454	. "	1
3983	8 PUP		-12 41 24.96	-0.0005		6.46			l			F2	1	153499		
3984	9 PUP		-13 45 50.78	-0.0046		5.160	•	5.760	١,	5.820	ı,	GIV	ł	153500	Ь	1.
3985	10 PUP		-14 42 59.29		-0 • Cúố	5.69	•	30,00	-	3.020	•	CF3		153520		1
3986	12 PUP		-23 10 24.06	-0.0012			2	6.23	2		l	CK2		174932		1
3987	14 PuP		-19 35 06.67	-0.0002			2		2		l	B3V		153796	İ	1
3988	16 PUP		-19 05 50.94	-0.0015			2		2	3,65	2	B5V	1	153890		1
3989	18 PUP		-13 39 03.44	-0.0170			2		2		I -	DF7	1	153924		1
3990	19 PUP		-12 46 38.70		+0.008		2		2	6.45	2	KOIII	1	153942	D	
3991	20 PUP		-15 38 10.95		-0.007	4.99	2		2			G511		153993		1
3992	21 PUP		-16 07 44.75	-0.0018		6.31				i	1	AO		154076		1
3993	22 PUP	08 20 25.732	-12 53 34 10	-0.0039	-0.048		2	4.13	2		1	GG7	1	154177		Ĺ
3994	A PUP	07 07 10.276	-39 34 27 71	-0.0010	+0.004		2	4.65	2	3.96	2	B3V	1	197632	1	1
3995	-A PUP	07 50 29.827	-40 26 45.27	-0.0014	+0.000	3.730	1	4.780	1	5.530	1	G5111	1	219082	ŀ	1.
3996	−B PUP	07 50 52.397	-38 43 56+84	-0.0008	-0.008	4.49	2		2	3.61	2	B3V	l	198545	l	1
3997	C PUP		-42 15 44.93	-0.0016	+0.067	5.20	2	5.40	2		ŀ	A M	1	218424		ı
3998	-C PUP		-37 50 46 - 51	-0.0012	-0.001	3.610	1	5.340	1	7.040	1	CK	1	198398	1	
3999	D PUP	07 05 28.757	-40 48 50 • 15	-0.0013	+0.003	5.91			1		1	B9	1	218465	l ·	
4000	-D- 1 PUP	07 37 41.560	1-38 11 32.04	1 -0.0018	+0.002	4 - 85	12	4.66	2	4.01	2	B3N	1	198253		1

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

4001	JMHEF	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	2	RA PM	DEC PM	VISUAL MAG.	> 2	BLUE MAG.	B N	UV M4G.	U N	SPECTRAL CLASS	5 N	5A0 C.T.NO.	STAR PROP.	G N
4003	4001	-U- 2 PUP	07 37 57.705	-38 01 23.49		-0.0022	+0.009	5.74						85		198265	n	Т
4003	4005	-D- 3 PuP	07 38 01.910	-38 08 39 65		-0.0015	+0.002	5.76	3	5.69	2			R3N		198268		ł
4005	4003	+D= 4 PUP				-0.0005	-0.012	6.00	2	5.96	2	5.50	2	B3IV	1		1	1
4006	4004	E PuP	07 10 36.356	-40 24 47.92		-0.0022	-0.017	5.31		5.37	2			ΛР	Į.	218525	ļ	-
4007	4005		07 36 55.091	-36 22 53 93		-0.0011	-0.001		2			" "	-				1	
4007 F PUP 07 15 11.94 -39 07 44.01 +0.0002 +0.005 4.05 2 4.44 2 4.13 2 8.87 1981.05 1981.05 4.04 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td>5.36</td> <td>2</td> <td></td> <td>1</td> <td></td> <td></td> <td>1</td>									2			5.36	2		1			1
4008									1		-	7.00	`				1	1
4016									2	4.44	2	4.13	2		ĺ		n	1
4011					1. 1				2						1	1	9	1
4011									وا			9,30	-		į.		'	
4012									5		2	7 92	٦		1		V?	1
4013 I PUP 07 11 06.037 -46 40 29.97 -0.0136 40.100									2	5.61	2				Į.		ا م	ı
4014									2								l '	1.
## 4015								4.24	2						1		1	
4016								4.404	5					1	1		מ	112
4017 L-1 Ppp 07 11 43.549 -45 05 42.29					٠,										1		D.	iz
4018								4.90	2			3.004	-				V?	1.6
4019												7 050	١,				οv	12
4020 -M PUP 07 36 13.084 -25 15 00.43 -0.0008 -0.010 4.70 2 4.59 2 4.24 2 89 174175 4022 -N-1 1 PUP 07 52 11.738 -23 21 48.32 -0.0002 -0.001 5.09 2 4.92 2 6.230 2 DF4 174019 4023 -N-2 PUP 07 50 17.441 -45 26 31.19 -0.0012 -0.0012 6.350 2 6.230 2 DF4 174019 </td <td></td> <td> , _ ,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>0.000</td> <td> </td> <td>7.550</td> <td> 1</td> <td>1</td> <td></td> <td></td> <td>UV</td> <td>1.,</td>		, _ ,							1	0.000		7.550	1	1			UV	1.,
4021									ادا	4 59	اءا	11 211	3				ם	İ
4022								5.00	5			4.24	~				D .	1
4023								5.770	5		5	6 230	2				l D	12
4024								5.020	2	6 350	5				1		0	12
4025							7					0.000	١٠.				U .	126
4026 -P PUP 07 33 22.339 -28 15 27.91 -0.0059 -0.022 4.61 2 4.49 2 4.06 2 B8 174058 4027 Q PUP 07 46 50.886 -46 70 22.24 -0.0091 -0.0093 4.45 2 4.78 2 AVIII 199070 4029 R PUP 07 38 56.212 -31 32 36.40 +0.0007 +0.010 6.56 2 7.74 2 8.57 2 GOIA 198286 4030 -R PUP 07 45 16.786 -47 59 17.44 +0.0016 6.56 2 7.74 2 8.57 2 GOIA 198286 4032 T PUP 07 45 16.786 -47 59 17.445 -0.0017 +0.016 7.18 4 2 3.68 2 418938 418												2 02	2				l D -	1
4027		, , , , ,								11 11 19	2	h 04	2				5	1
4022										F 77	5	6 60	5				Ų.	1
4029									2			1. 70	2				l	
4030					٠.							9 57	2				v	1
4031									2		5		5		٠,		ľ	
## 4032										7.00	-	0.00	-				v	1
4033									. 7						🕶		v	1
4034 4035 4035 4035 4037 4038 4040 4040 4040 4042 4042 4042 4043 4044 4045 4044 4045 AA V PUP 407 407 407 407 407 407 407 407 407 407					- 1				ا ر	44.00	2	1.	l					1 .
#035												3 070	,				עני	1
#036		J. [7.020	1	3.010	1		-		v	
4037 X PUP 07 30 36.786 -20 48 03.32 +0.0013 +0.024 8.0 4 5.18 2 5.18 2 5.18 2 6.39 2 6.39 2 666 218093 198045 218093 198045 8.0 4 4 5.18 2 6.39 2 6.39 2 666 218093 198045 2 2 666 2 218093 198045 83IV 83IV 83IV 89 218841 198045 85.26 2 7 6.67 7 7 7 741AB 7 218852 234539 6.25 7 6.67 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 831V 831V 831V 831V 831V 831V 831V 831V 831V 831V 831V 831V 831V 831V					10					6 28	2	7 00	2		′ ′		l *	
403b										0.20	-	7 .00	-	1 .	, ,		Ιv	
#041										5 12	2				4		D ^v	1.
#041		, , ,			- 1					5.10	5	6 30	2		. 1		ם ו	12
#041										5 27	2	0.37	~				'	1,2
+042										5.46	2						[
4043									۱ ۴		5	c 67	7.		-,		١.,	1
4044					- 1				- 1	0.25	1	0,07			'		V	1
4045 AA PUP 07 59 28.894 -24 34 40.55									ارا	5.50	ا ر						ח	
4046 AP PUP U7 56 U0.958 -39 59 14.80									5	J•30	٦		1.0		ایا		17	1
4047 A0 PUP 07 56 20.720 -28 59 37.26 -0.0017 +0.012 8.7 6					4												V V	
4046 AT PUP 08 10 30.774 -36 47 34.27 -0.0014 -0.003 8.09 7 F5 6 198930		· · · · · · · · · · · · · · · · · · ·			1										1.1			1
											- 1		- 1				y	1
4049 AU PUP UB 15 55.185 -41 33 05.62 -0.0009 -0.008 8.7 6 An 6 219743	4049	•]												ν.	1
4049 AU PUP 08 15 55.185 -41 33 05.62 -0.0009 -0.008 8.7 6 An 6 219743 4050 BG PUP 08 05 30.771 -20 32 15.77 -0.0026 +0.003 8.6 6 M2 6 175218		-															V	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR SESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	2 4	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C T.NO.	STAR PROP.	G N
4051	ын Рор	u8 06 32.407	-41 52 58.69	-0.0005	+0.001	8.7	6					P 9	6	219459	,	
4052	HU PUP			+0.0011	-0.028	8.9	6		l i			K5	- 6	174817	W	1
4053	KQ PUP		-14 24 52.04	-0.0013	-0.000	4.98	2	6.38	2		1	M2IABEP+B	7	153072	V	1
4054	KV PUP	07 45 52.766	-48 24 43.06	-0.0045	-0.012	9.6	5]			AO	7	218999	V	
4055	MQ PUP		-37 53 42.18	+0.0002	+0.004	8.8	ó				1	B9	6	1980A5	V	
4056	MW PUP	07 54 26.166	-44 46 44.05	-0.0015	+0.002	9.2	6				l	A0 -	- 6	219162	٧.	
4057		= -K PUP									1			1	1	1
4058	MY PUP	= -Y-3 PUP			 				1		1					1
4059	MZ PUP		-32 31 56.35	-0.0006	1	5.4n	l	7.32	7		1	CM1		198764	V	1
4060	NO PUP		-38 53 39.10	-0.0020		6.68					ı	B9V:	7	199222	ער	
4061	RS PUP		-34 25 35.61	-0.0025		7.59	7				l	F8-K5	7	198944	V	
4062	RT PUP	• • • • • • • • • • • • • • • • • • • •	-38 37 57.89	-0.0017	_	10.2	7					NR	6	198783	y .	
4063	RU PUP		-22 45 00 18	-0.0005		8.5	6				1	N3	6	175215	l v	Į.
4064	RY PUP		-34 52 38.97	-0.0003		7.72	4	1	1			K5	4	198072	V .	
4065	RZ PUP		-39 43 34 98	-0.0004		7.41	4			1	1	K2	4	198396	V	1
4066	SW PUP		-42 35 44 11	-0.0034		9.4	6			· '	1	FO	6	219771	V	
4067	TX PUP		-41 32 14.02	-0.0036		9.0	6				1	60	- 6	218394	V	1
4068	TY PUP		-20 41 02.30	-0.0011		8.8	6		١.			FO	6	173970 153259	· V	1
4069	UZ PUP		-13 16 30.70	+0.0015		9.1	6	Į	Į.			F2 F5	6	173963	Ü	
4070	VX PUP		-21 49 19 99	+0.0013		8.7	6		1		1	60	6	174319	ν	
4071	WX PUP		-25 45 27·31 -11 50 16·08	+0.0026		8.8	6			1		A3	6	153899	v	
4072 4073	XY PUP		-23 48 03.97	-0.0033		7.3	5				1	ÃO	7	175409	,	
4074	ŶŶ PUP		-19 16 49.08	-0.0055		8.8	6		1		1	An	6	153116	ν.	
4075	ZZ PUP		-19 10 02-06	+0.0001		9.0	6	<u> </u>				B9	6	153429	v	1
4076	ZET PUP		-39 51 40.83	-0.0027		2.250		1.980	1	0.890	1	05F	\	198752		1
4077	NU PUP		-43 09 04.09	-0.0006		3.170		3.060		2.650		BBIII		218071	1	1
4078	7 XI PUP		-24 43 59.22	-0.0005		3.350		4.600	١ī	5.780		GSTR	i	174601	מ	1
4079	OMI PUP		-25 48 42.76	-0.0010		4.52		4.47	2	3.45		BOV		174558	D	1
4080	PI PUP		-37 00 23.90	-0.0010		2.700		4.320	1	5,570		K5III		197795	V?	1
4081	15 RHO PUP		-24 09 32.30	-0.0064		2.810		3.240		3.430		F6I1P		175217	DV	
4082	51G PUP	07 27 38.615	-43 11 57.43	-0.0054	+0.186	3.254	1	4.774	i.	6.544		K5III	1	218755	פ	1
4085	TAU PUP	06 48 41.683	-50 33 15.49	+0.0033	-0.074	2.920	1	4,120	1	5.330	1	KOIII		234735	ŀ	
4084	UPS- 1 PUP	07 16 31.676	-36 38 30 49	-0.0008	-0.001	4 • 67		4.57	2	3.78	2	B3VE		197824		
4085	UPS- 2 PUP		-36 39 00.67	-0.0007		5.11		4.95	5	4.28	2	B3V	İ	197837		
4086	R PYX		-28 01 04-14	-0.0024		7.8	4				Î.			176430	V	
4087	U PYX		-30 09 25 85		+0.009	8.0	6				ı	K5	6	199294	V	
4088	ν Ργχ		-34 37 44.43	-0.0025		9.0	7		1		١.	K2	6	199750	V	1
4089	RZ PYX	08 49 56.062		-0.0008		8.7	6		ı			B9	6	176601	V	
4096	TT PYX		-25 58 39.07	+0.0003		8.9	6		1			B9	6	176505	V.	
4091	TU PYX		-19 42 34 - 85	-0.0055		8.7	6		1	1 1 1 1		GO	6	154972	V	
4092	TY PYX		-27 37 10.52	-0.0045		6.8	6		1:		1.	GO	6	176805	V	
4093	ALP PYX		-33 00 18 64		+0.009	3.690		3.510		2.640		B2III		199546		
4094	BET PYX		-35 07 47.40	+0.0012		3+980				5.560		GAIII	İ	199490 176559	L)	1
4095	GAM PYX		-27 31 24.55		+0.082	4.89	2	5.27 4.99	2	6.67 5.12	2	Kulli		176697	D	1
4096	DEL PYX		-27 29 18 69	+0.0057				5.823		3.12	16	A3V A M	1	200047	0	1:
4097	EPS- 1 PYX	U9 07 49.166		-0.0002		5.633					1	1		200049	0	1
4098	EPS- 2 PYX		-30 09 52 57	+0.0014		9.110		9.300		1		A3			DV?	1.
4099	ZET PYX	1	-29 22 55.74	-0.0014		4 - 89	14	5.79	2		1	GG4		176253 176189	D	1
4100	ETA PYX	08 35 43.953	-26 04 44.07	-0.0016	-0.015	5.27	2	5.23	12		1	AO	l	TIGINA	1 "	1

TABLE 3 CONTINUED STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUVBER	STAR DESIGNATION			P 2	RA PM	DEC PM	VISUAL MAG.	V N		B	UV MAG.	U	SPECTRAL CLASS	5 11	SAT CAT.NO.	STAR PROP.	(
4101	THE PYX	09 19 16.677	-25 45 06.29		-0.0009	-0.011	4.72	2	6.33	2	8.36	2	MIIII		177322		+
4102	KAP PYX	09 05 51.103	-25 39 20.58		+0.0028	+0.005	4.56	2	6.17	2	8.04	2	GMD	1	177002	DVS	1
4103	LAM PYX	1 09 21 02.222	-28 37 09.04		-0.0106		4.68	2		2	6.22	2	GG7	1	177374	1,10	
4104	R RET	04 35 01.116	-63 n7 55.59		-0.0017	+0.040	6.8	4		_			MAF	4	249053	e V	
4105	S RET	= R RLT		1										"	247033	"	1
4106	ALP RET	04 13 46.543	-62 35 55 03		+0.0067	+0.050	3.350	1	4.260	1	4.890	1	G611		248969	'n	1
4107	BET RET	03 43 33.963	-64 57 50.21	١.,	+0.0495		3.850	1	4.985	1	6.095		KOIV		248877		
4100	GAM RET	04 00 10.113	-62 17 54.81		+0.0003		4.500	1	6.140		7.940		GM5	1	248925	v	ł
4109 4110	DEL RET	03 57 56.956	-61 32 27.65		+0.0014		4 • 550	1	6.170	1	8.120		M2III	1	248918	i '	1
4111		04 15 36.943	-59 25 18.30	, :-	-0.0067				5.52	2	6.59	2	GK1	1	233463	n	1
4112		03 16 40.785	-62 45 57.85		+0.1946		5.54		6.18	2	199	1	GRV		248770		1
4113	ZET- 2 RET ETA RET	03 17 07.399	63 70 47 00		+0.1936		5.24	2	5.84	2			GIV		248774		1
4114	THE- 1 RET	04 21 20.563 04 17 06.086	-63 00 17.09		+0.0133		5•18		6.130	- 1			G7III		249009	ļ.	
4115	THE- 2 RET	04 17 06 303	-63 22 32.53		-0.0044		8.3	4			1.0				248985	ח .	1
4116	IOT RET	04 17 06.303 04 00 29.261	-61 43 06 50			+0.029	6.2	4				1	89	4	248986	D	1.
4117	KAP RET	03 28 29.944	-67 06 07 00		+0.0092		4.960		6.380		8.080		GK4	1	248927		ı
4118	1 SGE	19 13 08.019	+31 08 76 47		+0.0560			2	5.10	2	5.06]2	F5V		248819	ŋ	ı
4119	2 SGE	19 22 07.276	416 CO 30 CU		+0.0027	+0.013	5.55				<i>1</i>	1	A1		86987		
4120	3 SGE	19 22 30.479	116 50 20.54		-0.0003		5.96		6.010		100	1	AM		104797		
4121	9 SGE	19 50 07.878	110 21 28.42		+0.0026			4		- 1		1	A0	4	104804		ľ
4122	11 SGE	19 55 29.144	116 70 11 60	- :	-0.0002			2		2	5.31	2	08F		105360		I
4123	14 SGE	20 01 12.665	115 53 00 03		+0.0007		5.38		5.310	- 1	100	l	B9IV		105471		
4124	15 SGE	20 01 51.341	+16 =6 00 49		+0.0001		5.50	-	5.370	_	1.2		BBII-III		105615		1
4125	18 SGE	20 14 07.850	+21 26 30 76		-0.0277			2		2		2	DG1		1n5635		
4126	R SGE	20 11 46.705	+16 34 36.20		-0.0000			2	7.16	2	8.08	2	KITIT		88433		1
4127	10 S SGE	19 53 44.919	+16 30 03.00		+0.0002		8.6	4	ا ممما	-		ì	65	-4	105871	V	1
4128	U SGE	19 16 37.057	+19 31 04-09		+0.0015		5.40		6.200				F6IB		105436	,V	ı
4129	13 VZ SGE	19 57 47.758	+17 22 43.03		+0.0002		6.5			- 1			B7III+K1I		104711	٧	ı
4130	5 ALP SGE	19 37 51.612	+17 53 51.21	. 1	+0.0009		5.39 4.37	2	5.14	2			GM4		105522	DΛ	
4131	6 BET SGE	19 38 48.129	+17 21 31.95	ı	+0.0006			2		2		2	GOII		105120	D	1
4132	12 GAM SGE	19 56 31.938	+19 21 18.47	- 1	+0.0046		3.470		5.040		6.31	2	GBII		105133		l
4133	7 DEL SGE	19 45 09.429	+18 24 34 68		+0.0005	+0.010	3.830		5.240				KSIII		105500		ı
4134	4 EPS SGE	19 35 01.520	+16 20 57.07	- 1	+0.0013	+0.016	5.54	1	3.270	•	6.200	*	M2II?+B?		105259	V?	1
4135	8 ZLT S5E	19 46 45.415	+19 n0 55.53		+0.0014			2	5.10	2	5,16	2	GBIII A3V	- 1	105061	۱۵۸۵	
4136	16 ETA SGE	20 02 56.348	+19 50 47.52		+0.0020		5.08	٦	3.10	- 1	3410	-	K2III		105298	D.	1
4137	THE+ 1 SGE	20 07 40.055	+20 44 54.04	.	-0.0003			4		1			K2	4	195659 88270	ם	ı
4138	17 THE- 2 SGE	20 07 43.696	+20 46 04.93	ı,	+0.0042			4		. [1.		G5	4	88275	ם	١.
4139	17 THE- 3 SGE	20 07 44.152	+20 45 55.27	- 1	+0.0038			2	6.86	2	6.82	2	DF1	٦	88276	מי	ĺ
4146	4 SGR	17 56 44.290	-23 48 48 01		+0.0002			2		2		2	ÃÔ	i	186061	17	1
4141	5 SGR	17 57 07.511	-24 16 54.82		+0.0022			4		- [,,,,,	-	Κο	4	186074		
4142	6 SGR	17 58 28.705	-17 n9 24.26		+0.0000		6.31	٠]		- [K3111	7	160998		ĺ
4143	7 SGR	17 59 47.164	-24 17 01.48	-	+0.0004		5 • 35		5.870				F5II	-	186163		ĺ
4144	9 SGR	18 00 48,403			+0.0002	+0.002		2	5.97	اء	5.08	2	05		186214		1 -
4145	11 Sar	18 08 40 200	-23 42 47.18		+0.0013		5.13			-	0		GKO	1	186437	D	
4146	14 SuR	18 11 15.616	-21 43 42.03		-0.0006		5.73		1	- [GK3	- 1	186509	'' ·	r.
4147	عن 15 S _J R	18 12 13.877	-20 44 41.67	1	+0.0002			2	5.45	2	4.58	2	BOIA		186543		i i
4148	16 S ₅ R	18 12 14.367	-20 24 16.63		-0.0002			2				2	0911	.]	186544	D	
4149	17 S _G R	18 13 36.586	-20 33 45.94	i	+0.0009			4				-	G5+A5	- 1	186575	'	
4150	18 SGR	18 21 48.571	-30 47 02.25	. Í	-0.0095			2	6.74	2			KOIII-IV	1	210116		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR LESIGNATION	RT. ASCEN. HR MN SEC		P N	RA PM	DEC PM	VISUAL MAG.	> 2	BLUE MAG.	B N	MAG.	Ŋ	SPECTRAL CLASS	, S N	SAA C.T.NO.	STAR PROP.	
4151	21 S ₆ R	18 22 22.292	-20 34 12.90		+0.0004	-0.026	4.81	2	6.11	2	7.04	2	KZII		186794	D.	ı
4152	حب SGR		-24 04 17.25		+0.0002	-0.010	5.71						CK4		186991	ľ	1
4153	25 SGR		-24 15 44.42		+0.0001	-0.001	6.39						CF3		186905		1.
4154	26 SGR		-23 52 54.27		+0.0024		6.14						AM	1	187146		1
4155	≥6 SGR		-22 26 46.86		+0.0022	0.000	5.80					100	GK4		187255	D	1
4156	29 SGR		-20 22 59.81		+0.0003		5.37						GK4		197324	DV3	١
4157	30 SGR		-22 13 16.17	J	-0.0017		6.24					ł	ATIII		187342	D	1
4158	31 SGR		-21 58 54 68		+0.0027		6.66	4	44				A2	4	187381		١
4159	33 SGR		-21 25 21.85		+0.0005		5.75						СКО		187422	ľ	1
4160	50 SGR		-21 52 38.41		+0.0024		5.59	2	6.81	2	100		GK3		188121	1	1
4161	53 S ₆ R		-23 32 34.90	<i>i</i> .	+0.0001		6.24			-		1	An		188407	D	١
4162	54 SGR		-16 24 33.95		+0.0047		5.45					٠.	KZIII		162883	n	1
4163	57 SGR	19 49 17.736			-0.0000 -		5.99					ŀ	GG5		163060		1
4164	63 SGR		-13 46 37.65		+0.0024		5.76						A2		163195		-
4165	64 S ₅ R		-11 44 32.17		-0.0003		6.46						GF4		163245		١
4105	65 S ₀ R		-12 48 28.62		+0.0004		6.41		4 (1)			l	AO		163253	1	ı
4167			-26 19 57 29		+0.0027	1	4.82	2	5.71	2	6.25	2	GG5		188778		١
4168			-27 18 14.61		+0.0007		4.50	2	5.96	2	7.52	2	GK3		188742		ļ
4169			-27 51 01.64	1	+0.0029		4.590			ī	8.050	1	M4111	1	188844	ν	1
4170			-19 02 37.10		-0.0008		5.03	*		-	0.030	1	GBII		162413		1
4171	43 -D SGR 55 -E SGR		-16 14 33.95		+0.0044		5.06	2	5.39	2			FOII	1	162915	ł	į
			-19 52 58 53	1	-0.0093		5.06	•	3.37	-		l	KIIIT	1	162964		
4172	56 -F SGR 61 -G SGR		-15 37 32 32	1.	+0.0009		5.05			ľ.			AZIV	l .	163141		
4174			-24 49 49 11	1	+0.0009		5.67	2	5.86	2			Au	1	188326	V2	١
			-24 59 44 24		+0.0052		4.60	2	4.54	2	4.39	2	B9	1	198337	ס	ĺ
4175			-19 23 49.00	1	+0.0005		6.7	4	7.37	١-	4.55	١	MSE	4	162394	v	
4176	R SGR		-19 09 42.32	i	-0.0007		6.340	1 ' 1	7.300	١,	7.880	,	CF5	7	161571	v	Ì
4177	U SGR V SGR		-18 17 55.95		-0.0006			6	1.300	i *	1.000	*	FO	6	161563	v	
4178				ŀ				Р	5.100			1	F8P	٩	186237	ער	
4179	W SGR		-29 35 03.04		+0.0011		4.30		4.900	1			F8	ļ	195755	V.	
4180	3 X SGR Y SGR		-27 48 49·14 -18 53 02·76		+0.0007		4 • 20 5 • 40		6.200	1		1	F5P		161376	v	
4181					+0.0024		9.0	6	0.200	1		1	M3		186452	v	
4182	AO SGR		-29 52 21.01					4				1	F5	6	186478	Ιν̈́	
4185	AP SGR	18 10 00.173			-0.0005		6.7	6	1 1 1	1		1	NB	6	162777	ľ	
4184	AQ SGR	19 31 27.098			+0.0009		8•5 9•3	6		1		1	64	6	187547	v	
4185	AR SGR	18 56 39.868 18 48 01.973			+0.0011		7.6	4		1	ļ	١.	GO	4	187349	v	
4186	BB SGR			ĺ			9.0	6				1	F5	6	185745	ľ	
4187	BN SGR	17 43 55.938			-0.0007		9.5	7			1	1	A2	6	211072	v	
4188	BQ SGR	19 10 54 394			-0.0014		1 1 1 1 1	l '		1	1	1	B5+A2	0	209959	οv	
4189	RS SGR	18 14 17.236			-0.0011		6.1	4		1	1	l	M4E	4	229959	V	
4190	RU SGR	19 55 16.833			-0.0009		6.8 9.2	6					M4	6	162339	v	
4191	RW SGR		-18 56 53 19					١٥	1		1	1	FP	l °	211117	V	
4192	RY SGR	19 13 16.933		1	+0.0010		6.1	6				1	M7	z	187624	v	
4193	SU SGR		-22 47 10 47		+0.0003		8.8	7		1		1	M / A2	6	210550	v	Ì
4194	SX SGR		-30 32 33.83	1	+0.0009		9•6	6		1			F8	6	186416	ľů	
4195	SY SGR		-23 42 15.39	1	-0.0004		9.4	6				•	N3		160795	ľ	Į
4196	SZ SGR		-18 38 13.99	1	-0.0006		8.6		1 1			١.		6		V	
4197	UW SGR		-18 16 30 22	1	+0.0005		8.8	6			1	1	NO .	6	162965	1 "	ļ
4198	UX SGR		-16 35 22.66	1	+0.0008		8.5	6				1	M3	6	161972	Į V	
4199	WZ SGR		-19 05 41.16		+0.0017		8•2	6		1		l	G3-K6	7	161257	V	. 1
4200	XX SGR	18 21 50.642	-16 49 31.58	1	+0.0001	-0.002	9.0	6	1000	1	1		G5	6	161444	l v i	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NU VIBER	SIAR (ESIGNATION	RT. ASCEN.	DECLINATION F	P N	RA PM	DEC PM	VISUAL MAG.	V N		B N	,,, ,	U N	SPECTRAL CLASS	۲,	SAN CATANO.	STAR PROP.	G Fi
		16 10 01 726	-25 15 53.02	1	+0.0020 -0	0.024	8.8	6					A2	6	166718	N	
4201	xz \$نR	18 19 01-720	-16 46 51.54		-0.0018 -0		7.6	6		- 1		- 1.	Gn-G7	. 7	161870	y	l
4202	YZ SGR	18 40 33 107	-20 42 60.89		+0.0061 -0		8.1	5		i			F5-64	7	187233	· V	1
4203	V 350 SGR	18 42 19 007	-19 46 28.87		-0.0023 -		9.2	6				- 1	M0	б	162207	١ ٠	1
4204	R ئV 353 S	19 08 59.273	20 40 20.00	-	+0.0006 -0		6.87	4				- 1	HISA+SVEH	7.	187294		1
4205	V 356 S ₆ R	16 44 54.357	-20 19 49 29	- 1	-0.0005		6.5					- 1	A1V+F6?	7	163040	. V	1
4206	V 505 SGR	19 50 1/•155	-14 43 57.84		-0.0014 -0		9.2	6			. 1		A5	6	187605	V	ľ
4207	V 5∠3 SGR	18 59 44.851	-29 12 58 32		+0.0026 +		7.9	7			Sec. 15	- 1	A2	6	210944	, V	ŀ
420g	V 525 S _G R	19 04 02.445	-30 14 19.31	- 4	+0.0034 +0		9.7	7					AO	6	210970	V	
4209	V 526 SGR	19 05 02.231	-31 25 40.77				9.4	7					MA	6	209570	. V	
4210	V 540 5GR	17 56 42.079	-35 55 32.98		+0.0014 -1		8.7	6					80	6	195899	V ·	1
4211	V 771 SGR	17 50 23.857	-24 45 52.30		+0.0020 -0		8.3	6					K2	6	185724	V	
421	V 777 SGR	17 43 18.802	-26 10 55.05		+0.0004 -	0.006	6.8	6	1				AO	6	209552	V	ì
4213	V1647 SGR	17 55 49 486	-36 56 08 05		+0.0025 -			6					NO	6	162465	V	
4214	V1942 SGR	19 16 17.824	-16 00 03.03		+0.0019 +		7.2	6		li		.	M8	6	188923	lν	1
4215	V1943 SJR	20 03 51.926	-27 22 09.20	- 1	+0.0026 -		7+8	6					Bo	6	161502	V	ļ
4216	V2349 SGR	18 25 31.381	-16 44 02.08		-0.0001 +		9.0						A0	6	209923	V	
4217	V2509 SAR	18 12 28.406	-35 39 16 24		+0.0012 -		7.2	6					A0	6	188715	V	1
4218	V2617 SGR	19 52 18.388	-24 06 10 • 64		+0.0024 +		9.4	6	0 =	ا ہا	0 111	-	BEILIE	7	161562	V	
4219	V3508 SGR	18 28 27.371	-19 11 41.00		-0.0006 +		8.3	6	8.65	'	8,44	l		6	162748	V	1
4220	V3790 SGR	19 30 28 164	-16 43 06.33		+0.0013 -		7.4	6			4.1		MS	6	186350	ľv	1
4221	V3792 56R	18 05 48.460	-25 28 53 84	:	+0.0003 +	0.017	6.27	1]				88	0	150520	"	1
4222	V3872 SGR	= 62 -C SGR								ايا		_	DOTT		229659	1	1
4223	ALP SGR	19 20 25.492	-40 42 43 10		+0.0026 -		3.97	2	3.87	2	3.54	5	BOILI	1	229646	n	1:3
4224	BET- 1A SGR	19 19 02.816	-44 33 17.72		+0.0006 -		4.009		3,929		3,609		B8V .	1	229647	0	1
4225	BET- 18 SUR	19 19 05.399	-44 33 10 21		+0.0006 -	·0•005	7.928		7.848		7.528		A3		229654] "	١.,
4226	BET- 2 SGR	19 19 36.611	-44 53 44.93	100	+0.0091 -		4.29	2		2		2	DF1	1	209696	V?	1
4227	10 GAM SGR	18 02 35.678	-30 25 35.80		-0.0041 -	0.185	2.990		4.000		4.770		KOIII	1		ח	ı
4228	19 DEL SGR	18 17 47.554	-29 51 04.68		+0.0030 -	0.029	2.700		4.080		5.630		K2III	1	186681	D	1
4229	20 EPS SGR	18 20 51.188	-34 24 36.94		-0.0026 -	-0.125	1.850	1	1.820		1,690	. 1	B91V	1	210001	_	1
4230	38 ZET SGR	18 59 25 892	-29 57 12.79	L	-0.0011 -	-0.001	2.590	1	2.670		2.720		AZIII	1	147600	ח	1
4231	ETA SOR		-36 46 43 49	-	-0.0107 -	-0.166	3,110	1	4.670	1	6.370		M3II	1	209957	ח	1
	THE- 1 SGR	0 56 29 133	-35 24 47.51		+0.0006 -	0.024	4.36	2	4.21	2	3.54	2	B3IV	1	211716		1
4232	THE- 2 SGR	10 56 36-763	-34 50 03.17	١.	+0.0081 -		5.34	1	1	1			A M3	1	211717	ח	1
4233	IUT SGR	10 51 48-997	-42 00 05.48		+0.0013 +		4.125	1	5.210	1	6.025		KOIII	1	229927	1	1
4234			-42 12 31 95	l	+0.0032 -			2	5.59	2	5.59	2	AOV	1	230177	ם ו	1
4235	KAP-1 SGR	20 20 29.579	-42 35 06.24		+0.0000 +		5.64	2	5.84	2	5.94	2	A3		230184	ַרת ו	
423ь	KAP- 2 SGR		-25 27 04.18	1	-0.0032 -		2.810		3.850	1	4.750	1	K2III	1	186841		1
4237	22 LAM SGR		-21 04 25.46		+0.0002 +		3.850		4.070		3.600		BBIAP	¥.	186497	DV	
4238	13 MU SGR		-22 48 29.54		+0.0007 -			2	6.23	2	7.51	2	CK2	1	187426	יט	1
4239	32 NU - 1 SGR		-22 44 08.19		+0.0074 -		4.98	2	6.30	2	7.80	2	K3P		187445	1	1
4240	35 NU - 2 56R	18 25 02 /00	-20 13 24 44		-0.0001 -		5.06	~	1	1		[ADIR		187498	1	1
4241	36 XI - 1 S6R		20 43 24 44		+0.0023 -		3.510	1	4.690	lı.	5.820	1	KIIII	1	187514		
4242	37 XI - 2 SGR		-21 10 26 87	1	+0.0057		3.770		4.770		5.630		GG8	l: .	187643	0	
4243	39 OMI SGR	19 01 41.245	5 -21 48 59.52	١, ١	-0.0000		2.890		3.240		3.460		F2II-III	ľ	187756	D	
4244	41 PI SGR	19 06 47.450	-21 06 17 49	1	-0.0018		3.930		4.150		4.290		FOIV		162512		
4245	44 RHO- 1 SGR		1 -17 56 34 67		+0.0070		6.02	1		1			GG9	1	162521	1	1
4246	45 RHO- 2 SGR		2 -18 24 10.03		+0.0010		2.030	1	1.810	1	1.060	1	Bav		187448		
4247	34 SIG SUR		7 -26 21 38 29		-0.0040		3.310		4.510		5.650		KIIII	1	187683	1	1
4248	40 TAU SGR		0 -27 44 43.14	1.	+0.0000		4.61	2	4.71	2		2	A PEP	1	162518	V	1
4249	46 UPS SGR		4 -16 03 01.82						_		2.690		BBIII		187239	1	1
4250	27 PHI SGR		2 -27 02 38.48		+0.0040	+0+001	3.160	1	3.050	1	2.690	1	88111	1_	10,533	L	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V		B N		U N	SPECTRAL CLASS	ج ا)	5A0 C T.HO.	PPOP.	1
NUMBER			020 111 022	+0.0041	-0-054	5.03	2	5.26	2			DAS		148111	C	
4251	47 CHI- 1 SGR	19 22 14.012	-24 36 26.63	-0.0010		5.56		3				GK4		198105	د ۱/	
4252	49 CHI- 2 50R	19 22 28.169	-24 03 43 10	+0.0034		4.83	2	5.38	2	5.70	2	DF5	l	187882	D.	
4253	42 PSI SGR	19 12 28.542	-25 20 40 58 L	+0.0155		4.700		5.450		5.770	1	DG5		198722		
4254	58 OME SGR	19 52 46.744	25 20 01.47	-0.0009		5.88		5.820				B7IV?		183914	i	
4255	3 Sc0	15 51 39.067	-25 05 49.31	-0.0033		5.61	1					A3		1a3931		1
4256	4 5c0	15 52 28 423	-26 07 12.41	-0.0033		5.64					1 "	An ·	1	159715	וח ו	1
4257	11 Sc0	16 04 49.538	-12 36 44.95			5.49		4				A3	Ì	141024		1
4258	16 Sc0	16 09 24.502	-08 25 11.52	+0.0026		5.49	2	6.14	2	6.31	2	DG1		141066	יאט.	1.
4259	18 Sc0	16 12 53.968	-08 14 19 23	+0.0154		5.04	-	0.1	_			GBII	ļ	160046	ļ	13
426ii	24 Sc0	16 38 40.639	-17 38 49.50		-0.004	6.57					1	GG6	1	184630		1
4261	25 Sc0	16 43 47.404	-25 26 21.43		-0.016	5.48	2	7.07	ارا			K5	1	208232	1	1.
4262	27 Sc0	16 53 55.283	-33 10 55 • 16		-0.006	4.590		4.530		3,860	1	B2.5VN		183896	Ü	
4263	2 A 5CO	15 50 36.264	-25 10 45 87	-0.0011	-0.028			4.620		3.890		B2.5VN		183854	1:	1
4264	1 -B 5c0	15 47 57.944	-25 36 02·98		-0.027	4.680		5.71		3.370		B9V		184217	DAS.	1
4265	12 -C- 1 SCO	16 09 10.231	-28 17 20.33		-0.046	5.69 4.590		4.430		3.690	١,	B2.5VN		184221		-
4266	13 -C- 2 5CO	16 09 13.074	-27 47 53.94		-0.028				2		2	AOV	1	194301		
4267	-D 5c0	16 15 11.495	-28 29 29.28		-0.106	4.77		4.360		5.540		KITIT	1	209318		1
4268	6 5c0	17 46 27 172	-37 01 45.62		+0.034	3.190		5.73	ž	7.67		GK6		2n7814	. v.3	- 1
4269	Н 500	16 33 04.723	-35 U9 16 05		-0.002	4-16	2	4.720		3.930		B2V	1	184429	1.	
4270	22 -I SCO	16 27 09 899	-25 00 24.44		-0.024	4.790				3.270		BZIV		207732		
4271	N 500	16 28 06.546	I-34 35 50·07		-0.017	4.230		4.070	2	6.28	15	GKO		209019	1/2	
4272	Q 5c0	17 33 06.013	-3 8 36 07•37		-0.201	4.29	2 7	5.38	15	0.20	1-	MD	6	208506	V	
4273	AH SCO	17 08 01.980	-32 15 52 60		-0.037	8.1	7		1		1	60	6	208174	l V	1
4274	AK SCO	16 51 23-121	1-36 48 28 55		-0.046	8+8	6		1			M5	6	184551	V	
4275	AX SCO	16 38 43 893	-27 ₀ 0 37•01		+0.009	8.6	4	1			1	KO	4	209132	· V	
4276	BM SCO	17 37 42.757	' -32 11 21 15		+0.001	7.0			1	1.0	1	MB	6	159785	l v	1.
4277	BR Sc0	16 10 28.866	-10 12 40 51		+0.026	8.8	6		1		1	B9	6	208558	V	
4276	FV Sco	17 10 28 991	[-32 47 42+14]		-0.033	7.9	4		1		1	M6E	4	208221	l V	
4279	RR 500	16 53 26.307	1-30 30 08 28		7 -0.023	5.5		1				M6E	1 4	227442	l v	-
4286	RS 5c0	16 51 59.822	1-45 ol 22.90	+0.004	7 -0.029	6.5	4		7			F5	1 4	208246	עם	
4281	KV Sco	16 55 03.271	-33 31 59•70		-0.024	6.7	4	7.46	17			G5	4	209340	ŋν	
4282	RY SCO	17 47 34 128	3 -33 41 31.50		2 +0 • 025	7.5	14	8.70	1'			K2	7	208188	ν	
4283	SS SCO	16 52 00.589	9 -32 33 03.43		5 -0.011	10.	17				1	NO	1.7	207911	V	1
4284	SU SCO	16 37 25 273	3 -32 17 01 • 11		+0.011	11.7	14		1		1	NB	6		V	- 1
4285	SX SCO	17 44 06.488	3 -35 41 03 62		1 -0.031	10.5	4				1	N3	4	228265	V	- 1
4286	TT Sco	17 36 57.62	7 -41 36 16.56		3 -0.009	9.0	5		1		1.	AZ!N	7	209460	l v	- [:
4287	TX Sco	17 51 55.89	1 -34 13 39.66		5 -0.007	7.7	7		1			MA	6		V	-
4288	V 360 SCC	16 52 56.860	30 14 24 62		7 -0.041	9.5	5	100	-	1		В9	1 7	209291	V	-1
4289	V 393 5c0	17 45 27.02	9 -35 02 28 83		200-0-10	7.42	13					AZV	7		V	1
4290	V 449 500	17 33 43.20	1 -32 05 53 23		6 -0.035	6.91	14					BOSE	7		V	1
4291	V 453 500	17 52 59.76	1 -32 28 06.52		5 -0.002	6.62			1,	1		F5	6		- V	
4292	V 482 500	17 27 30.540	5 -33 34 19•91		2 +0.039	8.45	7		7		1	B5	6	1	V	
4293	V 499 Sc	17 25 45.61	3 -32 57 54 90		2 -0.021	8.2	6		17			K0	6		V	
4294	V 500 Sc	17 45 24.46	3 -30 27 35 53		1 +0.034	9.54	7	10.69	1'			B8	1 6		l v	- 1.
4295	V 607 Sc	17 02 56.05	0 -35 53 58•14		4 -0.004	10.2	1.	7 6"	1,		1	65	"	227880	V	į.
4296	V 636 Sc	17 19 05.45	2 -45 34 01.06		4 -0.002	6.76	4		7			85	16	1	Ιv	
4297	V 701 Sc	17 31 08.43	1 -32 28 17.53		4 -0.012	8.2	7		-	1	1	F0	7	1	l v	- [
4298	V 703 Sc	17 39 00.57	7 -32 29 59 96		0 +0.009	7.2	5	1	7	1		A2	6	1 - 4	V	- [
4299	[] [[] [] [] [] [] [] [] [] [16 10 13.30	6 -22 21 28 89		1 -0.003	8.5	6					MA	6		V	. 1
4300	V 727 Sc	17 12 14.93	9 -33 02 56.39	-0.002	1 -0.063	7.9	6	1	1	1	1	I IMA	۱ ۰	2.,00	1	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	> z		B N	• •	U N	SPECTRAL CLASS	S N	SAO CAT-40.	STAR PROP.	1
4501	V 760 Sc0	16 21 27.670	-34 46 45.73	+0.0016	-0.024	7.1	6					P.8	6	217641	V	T
4302	V 764 Sc0	17 52 27.507		-0.0000		8.8	6					A2	6	228555	. 7	
4303	V 856 500		-38 57 38.55	-0.0024	-0.037	6.71						۸٥	6	207368	DΛ	1
4304	V 861 500	16 53 06.857	-40 44 43.52	+0.0004	-0.010	6.11	2	6.38	2			BOIAP?		227473	٧	
4305	V 862 5C0	17 36 45.416	-32 10 28 89	+0.0008	-0.003	6.86			100	100	100	B NE-B8	7	209105	٧	1.
4306	21 ALP 500		-26 19 21.95 C	-0.0005	-0.023	.910	1	2.750	1	4.080	1	MIIB		184415	DV	1
4307	8 BET- 1 Sc0	16 02 31.507	-19 40 12-45	-0.0004		2.714		2.628		1.774		B0 • 5 V		159692	DA5	1
4308	8 BET- 2 SCO	16 02 31.857	-19 40 00.07	-0.0014	-0.023	5.004	1	4.978	1	4.064	1	B2V		1596A3	DV?	1
4309	GAM SCO	= 20 SIG LIB													.	
4310	7 DEL SCO		-22 28 51.37	-0.0007		2.320		2,200		1.300		BOV		184014		
4311	26 EPS SCO		-34 12 15.56	-0.0492		2.290	1	3.450	1	4.610	1	K2III-IV		208078	٧?	
+312	ZET- 1 Sco		-42 16 51 19	+0.0003		4.80		5.240			١.	BITAE		227375	۸5	
4313	ZET- 2 Sco		-42 16 39.85	-0.0113		3.590		4.950		6.560		KSIII		227402		
4314	ETA Sco		-43 10 31 • 10	+0.0021		3.340		3.740		3.830		FOIVN		227707		1
4315	THE SCO		-42 58 05 15	+0.0015		1.870		2.270		2.490		FOIR		228201		1
4316	10T- 1 Sco		-40 06 34.94	+0.0001		3.020		3.530		3.770		F2IA		228420	D	ļ
4317	IOT- 2 5c0		-40 04 35.09	+0.0006		4 • 81		5.07		5.07		CA3		228466	Ü	1
431B	KAP 5CO		-39 00 22.76	-0.0006		2.410		2.200		1.320		BZIV		209163	V	1
4319	35 LAM SCO		-37 04 09.63	+0.0001		1.630		1.410		0.520		B1V		208954		1
4320	MU - 1 SCO		-37 57 48 92	-0.0010		3.030		2.810		1.930		B1.5V		208102	DV	1
4321	MU - 2 SCO		-37 56 03.17	-0.0009		3.570		3.360		2.520		B2IV		208116	D	Į
4322	14 NU - 1 Sc0		-19 19 17.45 L	-0.0008		4.00		4.05			2	AOIV		159763	· D	1
4323	14 NU - 2 5CO		-19 19 56 • 20 L	-0.0008		4.010		4.040		3.400		B2IV-V		159764	D	١.
4324	XI - 1 5c0		-11 14 12 28 L	-0.0043			2	4.64	2	4.65	2	F5IV+F5IV		159665	D	1
4325	XI - 2 Sco		-11 14 08 07	-0.0047		7.2	١.		١.		١.	DG7		159666	D	1
4326	19 OMI SCO		-24 03 02.03	-0.0002		4.570		5.410		6.070		ASIII	ł	184329	חעת	1
4327	6 PI 500		-25 58 18 14	-0.0007		2.910		2.710		1.820		B1V		183987	ייים אַ	Ι.
4328	5 RHO Sco		-29 04 10 42	-0.0006		3.860		3.660		2.840		B2V	ŀ	183957 184336	יס עם	ı
4329	20 SIG SCO		-25 28 28 14	-0.0007		2.880		3.010		2.320		BIIII		184481	UV	
4330	23 TAU SCO		-28 06 50 56	-0.0006		2.810		2.560				B0V B3IB		208896		1
4331	34 UPS Sco		-37 15 28.57	-0.0001		2.680	*	2.450	1	1.640	4.7	KSIII	100	159793		
4332	17 CHI ScO		-11 42 41.93	-0.0009		5.50 4.93	2	5.02	۱,	5.12	2	N2V		141022		Ĺ
4333	15 PSI 500		-09 56 10 17	-0.0006		3.955		3.912	2	3.092		B1√		194123		1
4334 4335	9 OME- 1 Sc0		-20 32 07·11 -20 44 06·53	+0.0029		4.33	2	5.17	2		2	662		184135	· v?	1
4336	10 OME- 2 SCO		-32 48 06.81		-0.026		2	9.60	2	3.00	-	N3		193122	v	1
	R ScL S ScL		-32 19 22.52	+0.0069		6.3	4	7.00	-			M6E	и	192424	v	
4337			-30 24 17.77	+0.0002		8.7	7					MB	6	214344	ľ	1
4338			-34 14 04 19		-0.111	6.3	1	1.5				F8	٦	192663	v	1
4339			-30 36 31.73		+0.006	8.6	٦	10.19	7	11.88	7	МВ	6	192633	v	1
4340	AA SCL AB SCL		-33 55 37.34		+0.050	8.7		10.34		12.32	٦	MA	6	192707	v	1
4341	AB SCL AC SCL		-25 49 26.76	+0.0003		7.7	6	9.30		11.18	Ιź	M2	6	166692	v	
4342 4343	AF SCL		-25 51 58.97	+0.0027		8.5		10.04			7	MAIIT	7	191666	v	1
4344	AF SCL		-35 53 24.89		+0.032	9.2		10.76		12.32	7	MB	6	214335	ľv	
4345	AG SCL AH SCL		-31 40 41.74		-0.004	9.2		10.78		12.62	7	MB	6	214568	ı v	1
4346	RT SCL		-25 56 55.09	-0.0014		9.4	6	Γ΄΄΄		[A7	6	166406	v	1
4345	RU SCL		-25 13 24.61	+0.0034		9.2	6	9.28	7			l Ão	6	166011	ľ v	
4348	SW SCL		-33 05 40 72		+0.014	7.3	6	''-'	1			MD	6	192357	v	1
4349	VV SCL		-34 24 45.78		-0.022	7.93	4					A5P	7	193014	v	
435g	WZ SCL		-34 01 18·02		-0.020	6.62	4				: .	A3	6	193136	v	
4550	I MY DOLL	1 0T 50 50.202	1-0- 07 TO.05	T TO TO T	0.020	1 0.02	17				1.	1 ^5		- 70-00	l ,	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

10MBER	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA DEC PM PM	VISUAL MAG.	N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	ج الا	SAN C.T.NO.	ST/R PROP	
4351	XX ScL	01 27 08.974	-33 34 43.52		+0.0022 -0.040	8.9	6					Fn	6	193142	- 1 t	7
4352	YY SCL	00 05 56.348			+0.0002 +0.008	8.1	6	9.68	7	11.28	7	мо	6	166074	W	-
4353	YZ ScL	00 26 00.026			+0.0029 +0.02	8.4	6	9.96		11.34	7	MA	6	192550	V	
4354	ZZ SCL	00 33 20,929	-25 ng 11.15		+0.0009 +0.016	8.1	6	9.75		11.51	15	M3	1 ~		ľ	
4355	ALP SCL	00 56 11.882	-29 37 38.43		+0.0013 +0.005	4.270		4.090	I.	3.520	l'a	BBIII	6	166393	V	
4356	BET SLL	23 30 17.688	-38 05 42.35		+0.0073 +0.020	4.37	2	4.28	ĺż	3.92	2			166716	4.0	
4357	GAM SCL	23 16 07.705	-32 48 16.84		+0.0017 -0.064	4.410		5.540			ı –	A P		214615		
435g	DEL SCL	23 46 19.467			+0.0080 -0.1n1	4.570		4.570		6.600		GRIII		214444	l _	
4359	EPS SCL	U1 43 18.256	-25 18 06-64		+0.0117 -0.056		2	5.70		4.560	1.	AOV	l	192167	ח	
4360	ZET SCL	23 59 46 260	29 59 57-06	N.	+0.0008 +0.004	5.31			2		١.	F1V	1	167275	ם.	
4351	ETA SCL	00 25 27-101	-33 (6 60 00	14	-0.0014 -0.045	5.000		4.840		4.270		BAIII			ח	
4362	THE SCL	UO 09 11.681	-35 04 46 46		+0.0135 +0.126	4.810		6.450	_	8.260	1	GM4		192545	·V	
4363	IOT SCL	00 19 00.611	-20 15 20 77	4.1		5.25	2	5.69	2			F4V		192398		
4364	KAP- 1 SCL	00 06 48.219			+0.0030 -0.069	5.18	2		2	1		GG8		166207		
4365	KAP- 2 SCL	00 00 48.219	20 13 5/19		+0.0054 +0.001	5.40		5.820				DF2		166083	ח	
4366		10 09 02.232	-20 D4 41.40	40	+0.0009 +0.020	5.56		_	H. 1944		i	KSIII	1. 1.	166103		
4367		00 40 18.717			-0.0000 +0.000	6.06	2	6.03	2		Ī	AOV		192690	ח	
4368		00 41 47.213		1	+0.0203 +0.121	5.97						GKO		192703		
4369	MU ScL	23 38 00.943	-32 20 58.98		-0.0073 -0.050	5.31	2	6.28	2		١.	KOTTI		214701	V?	
	XI ScL	00 58 58.321		. 1	+0.0070 +0.058	5.59	2	6.77	2			GKO		192871	1	
4370	PI ScL	01 39 53.210		4.1	-0.0059 -0.022	5.28					Ì.	GKn	· ·	193263		
4371	SIG SCL	01 00 03.237			+0.0060 +0.017	5.50	2	5.58	2			VSA		192884		
4372	TAU SCL	01 33 49.831			+0.0075 +0.045	5 • 69	2	6.02	2			DF4		193201	רו	
4373	R ScT	18 44 48.745			-0.0030 -0.028	5.20	2	6.67	2	8.30	2	GDIAE		142620	ν	
4374	S ScT	18 47 37.090			-0.0000 +0.002	7.0			1.			C5-4	1 4	142674	οv	
4375	Z ScT	18 40 16.750		1	+0.0000 +0.016	9.3	6	10.36	7	1 TE 1 TE		GO	6	142532	V	
4376	ER ScT	18 40 01.217	-07 44 32 64		-0.0004 +0.012	9.0	6	1				AO	6	142528	V	
4377	EW ScT	18 35 09.418	-06 50 27.71		+0.0004 +0.001	8.2	6					Ко	6	142447	٧	
4378	RR ScT	18 38 17.186			-0.0001 +0.010	8.8	6			11.00		B8	6	142494	٧	
4379	RS ScT	18 46 25.718			+0.0020 -0.025	9.0	6					GO	6	161860	v	
4380	RW 5cT	18 53 45.556	-10 35 28.79		+0.0020 +0.015	8.8	6					M5	6	162009	v	
4381	RY SCT	18 22 42.706	-12 43 09.24		-0.0011 +0.005	8.8	6	21 2			:	PEC	6	161458	v	
4382	RZ ScT	18 23 48.968	-09 13 56 04	. :	+0.0008 -0.005	7.9	6					B318	7	142317	V	
4383	SS SCT	18 41 00.748	-07 46 56 37		-0.0013 -0.0n6	8.3	6	9.12	7			F8P	6	142552	ν	
4384	V 369 ScT	18 48 35.844	-06 24 47.12		+0.0007 -0.019	9.0	6	9.50	7	9.70	7 -	F8III	7	142702	v	
4385	ALP SCT		-08 16 50.47		-0.0013 -0.312	3.830		5.170		6.700		KSIII	1	142408	V?	
4386	BET SCT	18 44 -31 - 239	-04 48 10.73		-0.0005 -0.017	4.22	2		â		2	GSII		142618	ν.	
4387	GAM 5CT	18 26 20.804	-14 35 58.05	1	+0.0001 -0.005	4.71	2		2	4.82	2	A3V		161520		
4388	DEL SCT	18 39 32.109	-09 06 07.26		+0.0004 +0.001	4.72	2		2	5.23	2	F3111-1V		142515	DV	
4389	EPS ScT	18 40 47.819	-08 19 34.55	.]	+0.0014 +0.007	4.89	2		2	3.23	<u>-</u>	GBII	1	142546	D	
4390	ZET SCT	18 20 55.131	-08 57 43.03		+0.0028 +0.044	4.68	2		2	6.34	2	KOIII		142267	IJ	
4391	ETA SCT	18 54 23.005	-05 54 45.78		+0.0042 -0.036	4.80	2		2		2	K2III		142838		
4392	2 ScP	14 59 15.090	+00 n3 22.02		+0.0004 -0.027	5.76	-	~•00	-	1.02	=				n.	
4393	3 SCP	15 12 42.056	+05 07 25.66	.	-0.0012 +0.001	5.31					- 2	GM2		120798	ָ מ	
4394	4 SCP	15 13 16.070	+00 33 21.52	- [-0.0073 +0.013	5.63	2	5.81	2	E 00	9	GKO		120916		
4395	5 ScP	15 16 45.435	+01 57 11.03		+0.0247 -0.518	5.06					2	A3		120920	_	
4396	6 ScP	15 18 29.065	+00 53 45.38		-0.0030 -0.109		2		2		2	F8IV-V		120946	D	
4397	7 SCP	15 20 01.034	112 114 113 NE			5 • 35	-		4	7.76	2	K3III		120955	D.	
4398	8 ScP	15 21 08.845			-0.0002 -0.011	6.11		6.080	إي			B9.5V		101508		
4399	10 SCP				+0.0049 +0.033	6.12	2	6.38	2	6.43	2	FOV	1,0	140502		
4400	14 SCP	15 26 06.505	TUE UU 51.98		-0.0058 -0.042	5.09			- 1	i		A5	1.4	121020		-
7700	24 SCP	15 33 59.546	-UU 23 48.98	- 1	-0.0020 -0.024	6.51				1	1	IDF5 I	1	140643		J

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

	대학교 전투 사고 기요 나라?		STAR DESIGNAT	10	NS AND STA	R DATA	UKUEKCI	ם כ	DEST	31VM	TONS			т			1
	STAR	RT. ASCEN.	DECLINATION	Р	RA	DEC	VISUAL	v	BLUE	В		U	SPECTRAL	s	SAn	STAR	G
NUMBER	LESIGNATION	HR MN SEC		N	PM	PM	MAG.	N	MAG.	N	MAG.	N.	CLASS	N	CAT.NO.	PROP.	N
			10 10 77 00		+0.0029 -	-0.132	5.26						коР		101640		1
4401	16 ScP		+10 10 33.99				5.53	2	5.65	2	5.76	2	A M	l	140775		14
4402	30 ScP		-03 39 59.75		-0.0024 +		6.10	2	6.70	2		2	G2V	i	101792	l	1
4403	39 ScP	15 50 52.213	+13 21 07.17		-0.0104 -			2	6.47	2		2	A2	i i	121254		i i
4404	40 ScP	15 52 15.147	+08 43 34.59		-0.0001		6.29	٦	0.41	ا ۴ ا	0.50	-	69111		121339	n	
4405	43 ScP	16 01 17.164	+05 07 23.03		-0.0029		6.01			H			A5	1	101939		
4406	45 5cP	16 05 14.163	+10 01 27-17	1	-0.0013		5.63	١. ا		il			A3	4	101947	l .	
4407	46 ScP	16 05 42.574	+10 12 45.94		-0.0021 -		6.67	4					GM3	"	121383	V?	
4408	47 ScP		+08 39 57 00		-0.0013		5.69	١١	1.0	1			KO	4	102018	D.	14
4409	49 SCP		+13 39 35 12		+0.0122		6.84	4		1.1	1		GG9	"	140596	l " .	1-
4410	11 A- 1 SCP	15 30 23.214	-01 01 04.38	1	-0.0009		5 • 76	ا ۽ ا	E 76	ا ۱	. 06		B8	ł	140740	1	1
4411	25 A- 2 SCP	15 43 30.243	-01 38 56.29		-0.0020		5.39	2	5.36	2	4.96	2	T .	1	140801		
4412	36 -B ScP		-02 56 25.99		-0.0060		5.11	2	5.23	2	5.30	۲	K1III		120758		14
4413	1 M ScP		+00 01 58.08		+0.0041		5.60						GM7E	1	101771	עם	- 1
4414	R ScP		+15 17 02.69		-0.0004		5•6	١. ا	1.				M5E	4	101503	ľv	1
4415	S ScP		+14 29 35.00		+0.0002		7.6	4					M5E M5E	1 4	140398	Ιν	1
4416	Y ScP		-01 42 02,44		-0.0026		8.0	4		_			MOE AOP	6	120910	ľ	1
4417	FI ScP		+00 33 17.46		-0.0014		7.99	4	7.99	14			M4III	7	101429	ľ	
4418	FL SCP		+19 09 47.18		-0.0008		5.78	١. ا	7.26	14	- 000	١.		1 ′	121157	ח	
4419	24 ALP SCP		+06 34 53.93		+0.0091		2.640		3.810		5.060		K2III		101725	0	1
4420	28 BET SCP	15 43 52.670	+15 34 37.42		+0.0047		3.670		3,730		3.810		AZIV	1	101826	117	
4421	41 GAM SCP	15 54 08.455	+15 49 24.77	1	+0.0212		3.860		4.340		4.310		F6IV-V	1	101623	0	14
4422	13 DEL- 1 SCP	15 32 24.633	+10 42 12.66	1. 1.	-0.0051		5.114		5.374		5.494		FOIV	1	101624	DV	14
4423	13 DEL- 2 SCP	15 32 24.681	+10 42 17.82	100	-0.0051		4.184		4.444	1	4.564		AM	1	121218		- 1
4424	37 EPS SCP	15 48 19 243	+04 37 36 85		+0.0084		3.700		3.860		3.950		1 17 1		101682	D	-
4425	21 IOT SCP	15 39 19.178	+19 49 48.61		-0.0041		4.53	2		2		2	A1V		101752	1	
4426	35 KAP SCP	15 46 29.216	+18 17 41.17	1	-0.0035		4.09	2	5.71	2	7.66	2	GM1			V?	
4427	27 LAM SCP		+07 30 30 70		-0.0151		4.43	2		2	5.13	2	GOV	ľ	121186	\ \frac{1}{2}	
4428	32 MU SCP		-03 16 42.95		-0.0060		3.530		3.490		3.390		AOV		84155		- 1
4429	44 PI SCP		+22 56 30 96		+0.0009		4.83	2	4.90	2	4.95	2	A3V	1	84037		ı
4430	38 RHO SCP	15 49 04.028	+21 07 37 15	1	-0.0038		4 • 78	2	6.32	2	8.20	2	KSIII		121540	1	
4431	50 SIG SCP	16 19 32.244	+01 08 42.37	'	-0.0105		4.82	2	5.16	2	5.18	2	FoV	1	101545	1	
4432	9 TAU- 1 ScP	15 23 28.116	+15 36 09.65	i	-0.0010		5.17	2	6.83	2	8.78	2	Milli	1	101545		1
4433	12 TAU- 2 SCP	15 29 51.309	+16 13 28.43		-0.0000		6 • 13		6.080		1		B8V GG8		101631	1	- 1
4434	15 TAU- 3 SCP	15 33 16.933	+17 49 15.29	1	-0.0055		5.96	1.						4	101641	l v	
4435	17 TAU- 4 SCP		+15 15 55•98		-0.0005		6.84	4	1	1		1	MB	"	101642	\ \ \	
4436	18 TAU- 5 SCP		+16 17 00.01		+0.0052		5 • 85			1.	1		A6N		101678	.]	
4437	19 TAU- 6 SCP		+16 11 05.00		+0.0019		6.01	2	6.91	2	7.52	2	GSIII		101686		-1
4438	22 TAU- 7 SCP		+18 37 19.54		-0.0051		5.72		l				A2	1	101712		-1
4439	26 TAU- 8 5CP	15 42 25.732	+17 25 12.68	1	-0.0019		5.91	1	5.910			1	AOV				
4440	31 UPS SCP	15 44 57 . 841	+14 16 05.56	•	-0.0042		5.70		5.790				A2V		101739	1	1
4441	PHI 5cP	15 54 56.014	+14 33 23.38	3	-0.0084		5.54	1	6.680		1		KIIV		101834	\ ,,	1
4442	20 CHI SCP	15 39 26.101	+13 00 23.76	5	+0.0027		5.33	2	5.37	2	5.42	2	A P		101683	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
4443	23 PSI 5CP		+02 40 26.89		-0.0055		5.74	1	1	1.		1.	DG5		121152	D	
4444	34 OME SCP	15 47 45 89	7 +02 20 51.72	2	+0.0019		5 • 23	2	6.25	2	7.07	2	GBIII	1	121215		
4445	61 SCA		7 -01 02 24.30		+0.0005	-0.006	5.94	2	6.10	2	6.26	2	A2M?	1	142372	1	١.,
4446	62 5CA		+06 33 04.49		+0.0012	-0.087	5 • 57	2		2	7.48	2	GG9	-	124050		14
4447	64 5CA	18 54 45 65	2 +02 28 05.27	7	-0.0005		5 • 47		5.470) [1		B8		124089	1	1
4448		18 27 04.776	5 -02 01 09.27	7	+0.0020	-0.033	5.44	1	1		1	1.	KOIII		142348	DW	
4449			6 +00 09 53.44		-0.0007	-0.002	5.21	2	5.71	2	5.92	2	GO+AO	1	123497	DV	-1
4450		18 35 01.72	9 -00 21 11.20	ו נ	+0.0006	-0.021	5.74	2	5.80	2	5.86	2	A2	1	142444	1.	
4730	1 307			1			100		1				1				

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P. N	RA DI PM P	C VISUAL	V N		B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAN CATAMO.	STAR PROP.	Í
4451	w ScA	18 06 58.299	-15 33 37.33		+0.0004 +0.	003 9.0	6					54C	6	161128	V	1
4452	CV SCA	18 16 19.810	-11 39 16 23		-0.0015 +0.	15 8.8	6			10.00	1	0.4	- 6	161325	V	1
4453	EG SCA	18 23 26,492	-01 42 38.90	4.1	+0.0004 -0.	36 8.2	6					A0	6	142311	V	1
4454	FO SCA		-15 38 04.58		+0.0022 -0.			10.67		12.67	7	R6(C4,5J)	7	161327	. V	1
4455	57 ZET SCA		-03 41 19.04	1.	+0.0096 -0.	046 4.62	5	5.01	2	5.00	2	F3V		142025		-
4456	58 ETA SCA		-02 54 48 20		-0.0370 -0.	697 3.250	1	4.190	1	4.840		KOIV		142241	1	1
4457	63 THE- 1 SCA		+04 08 13.25	2.1	+0.0031 +0.	032 4.07	2	4.24	2	4.33	2	A5V		124068	DA5	1
4458	63 THE- 2 SCA		+04 08 07.70	-	+0.0031 +0.	027 4.99	1	5.190			l	A5N:	ł	124070	D	1
4459	53 NU SCA		-12 47 52.08		+0.0029 +0.	004 4.31	2	4.34	2	4.38	2	A1V		160479	-D	
4460	55 XI ScA	17 34 43.274	-15 22 07.81		-0.0031 -0.	061 3.520	1	3.760	1	3.880	1	FOIV	ł	160700	ו ח	- [
4461	56 OMI SCA		-12 51 01.01		-0.0050 -0.		2	4.32	2	4.43	2	A2V		160747		1
4462	1 SEX	= 10 LEO	J- V				1					ł	l	1.0		-
4463	ž SEX		+04 52 33-60		-0.0109 -0.	057 4.68	2	6.00	2	7.45	2	KSIII		117821	i	1
			-07 00 45.84	٠.	-0.0020 -0.		4		Γ.			B9	4	137142		-
4464 4465			+04 34 42 65		-0.0100 -0.		2	6.72	2	6.70	2	DF6		117937		1
4466	4 SEX 6 SEX		-04 00 29.52		+0.0006 -0.		2	6.18	2	6.29	2	ASIII		137183		-
4467	7 5EX		+02 41 17.35		-0.0123 +0.		5	5.98	2	5.89	2	A1V		117959	į	
4466	9 SEX		+05 10 54 66		-0.0021 +0.		4		-		1	K5	4	117980	1	-
4469	12 SEX		+03 37 28 41		-0.0046 +0.		2	6.97	2	7.06	2	A5		118041	1/3	١
			+03 26 42.73		-0.0052 -0.		2	6.85	2	6.83	2	DF3		118086		1
4470 4471			+05 51 21.72		-0.0024 -0.		2	7.15	2	7.87	2	I GG6		118111	1	1
4472			+06 24 59.86		-0.0009 -0.		4		1		[Κn	14	118135	1	1
	16 SEX		-08 09 42 80		-0.0021 -0.		2	5.93	2	5.88	2	AO		137385		-
4473	17 SEX		-08 10 15.77		-0.0007 -0.		2	6.95	2	8.37	2	GK2	ļ ·	137395	V?	-
4474	18 SEX		+04 51 44.96		-0.0036 -0.		2	6.95	2	8.06	2	GKO	1	118164		
4475	19 SEX		-07 08 09.60	100	-0.0129 +0.		4	100,00	-	0.00	-	FB	4	137424	1	1
4476	20 SEX		-07 44 40.38		-0.0014 -0.		4			1		ΚO	4	137430		-
4477	21 SEX				+0.0038 -0.	- I	4				1	G5	4	137532		
4478	24 SEX		-00 38 54-22		-0.0035 -0.		2	5.87	2	5,70	2	AP	,	137533		-
4479	25 SEX		-03 49 14.54 -00 43 59.76		-0.0034 -0.		4	7.0	-	3.,0	-	Κn	4	137565		ŧ
4480	26 SEX				-0.0033 -0.	7 7	4	1	1			ко	4	137567		- (
4481	27 SEX		-04 07 59 64		+0.0041 -0.		4					KO	4	118341	1	- }
4482	31 SEX		+02 24 26.75		-0.0009 +0		4	1	1			KO.	4	118354		
4483	32 SEX		+04 54 09.04		-0.0093 -0		2	7.14	2	7.73	2	KIIV		137728	ļ	- 1
4484	33 SEX		-01 28 41.50		-0.0059 +0		4	' • • ·	-	1 1 1 1	-	F5	4	118443		- 1
4485	34 5EX		+03 50 41.39		+0.0013 -0		2	6.96	2	8.05	2	кзии		118449	D	-1
4486	35 SEX		+05 00 38.21		-0.0036 -0		2	7.49	2	8.77	2	GK4		118473		- 1
4487	36 SEX		+02 45 05 11		-0.0008 -0		2	7.49	2	8.60	2	GK1		118483		
4488	37 SEX		+06 38 13.93				4	1.43	15	0,00	1-	A2	4	118493		- [
4489	38 SEX		+06 36 38 26		-0.0033 -0.		4		1			Ko	u	137805		-1
4490	39 SEX		-08 50 06 04		-0.0005 -0.		2	6.83	2	6.91	2	AZ	~	137808	D	1
4491	40 SEX		-03 45 33.12	1	-0.0035 -0.		2	5.95	2	6.08	2	AZM	1	137823	l b	
4492	41 SEX		-08 37 56 58	1	-0.0006 -0.		6	3.93	٦	0.00	1-	MB	6	137070	V	- 1
4493	R SEX		-07 52 14.91		-0.0005 +0.		6		1	1		M2	6	118149	ľů	-
4494	Z SEX		+02 48 19.22	١.	-0.0005 -0.		6		1	Later and E		M2	6	117987	ľ v	-
4495	RR SEX		+05 26 05.94		+0.0009 -0.			6 27	1	5 00	2	B3	"	118248	v	1
4496	23 RS SEX		+02 32 30 • 78		-0.0006 -0.		2	6.57	2	5.90	12				۱v	-1
4497	' RT SEX		-10 04 25.97	1	-0.0019 +0.		6		1	1		MB	6	155810	ľ	-
4498	RX SEX		+04 11 13.33	l	-0.0000 -0.		14	1	1_			A3	7	118299	1 '	- 1
4499	15 ALP SEX		-00 07 35.34		-0.0012 -0.		2	4.46	2	4.40	12	AOIII	1	137366		1
4500	30 BET SFX	10 27 44.099	-00 22 47.84		-0.0028 -0.	026 5.10	2	4.96	2	4.43	2	B6V	1	137608	1	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNAT		RT HR		SEC			TION	P N	RA PM	DEC PM	VISUAL MAG.	V Z		B N	MÃG.	UN	SPECTRAL CLASS	S	SAO CAT.NO.	STAR PROP.
4501	8 GAM	SEX	09	50 O	1.878	-07	52	07.35		-0.0040	-0.045	5.05	2	5.09	2	5.15	2	A2		137199	D
4502	29 DEL	SEX						57.21	1	-0.0034	-0.018	5.21	2	5.15	2	5.03	2	B9		137600	
4503	22 EPS	SEX	10	15 0	8.659	-07	49	06.78		-0.0110	-0.001	5.24	2	5.55	2	5.69	2	FIIII		137469	
4504	7	TAU	03	31 2	8.599	+24	17	53.88		+0.0006	-0.021	5.90		6.030	Ι.		U	A3V	ŀ	75999	n
4505	9	TAU	03	34 0	1,282	+23	02	49.72		-0.0010	-0.020	6.69	4]			AOP	4	76029	l ''
4506	16	TAU	03	34 1	9.095	+00	14	39.54	1 1		-0.481	4.28	2	4.85	2	4.93	2	FBV		111292	ľ
4507	11	TAU	03	37 4	6.777	+25	10	09.75		+0.0007	-0.010	6.02	-	6.080	_	''''	-	AZV		76073	
450g	12	TAU	03	37 1	4.671	+02	53	44.19	i	-0.0026	+0.010	5.57	2		2	7.18	2	GG6		111334	
4509	13	TAU	03	39 2	5.620	+19	32	29.98		+0.0001	-0.010	5.56		5.550			Ţ.,	Bav		93557	4
4510	14	TAU	03	+0 5	3.445	+19	30	30.60		+0.0082	-0.052	6.14	2	7.15		7.89	2	KOIII		93568	l
4511	16	TAU	03.4	41 4	9.528	+24	. ខេ	01.54		+0.0009	-0.043	5.46	2		2		Ιē	B7IV		76126	
4512	17	TAU	03	1 5	4.055	+23	57	27.82		+0.0014	-0.042	3.700		3.580		3.180		B6111		76131	
4513	18	TAU	03	+2 1	0.395	+24	41	02.03		+0.0015	-0.044	5 • 65	2	5,58	2	5.22		B8V		76137	
4514	20	TAU	03	12 5	0.756	+24	12	47.01		+0.0015	-0.043	3.870		3.800		3.400		B7III		76155	V?
4515	21	TAU	03	42 5	5.370	+24	24	00.00		+0.0009	-0.039	5.76	2	5.72	2		2	Bav		76159	
4516	22	TAU	03	+3 O	3.846	+24	22	24.38			-0.041	6.43	2	6.41	2	6.26	2	B9V		76164	
4517	23	TAU	03	43 2	1.195	+23	47	38.99			-0.042	4.18	2	4.12	2	3.70	2	BEIV		76172	
4518	24	TAU	03 (14 2	2.400	+23	57	46.99		+0.0016	-0.044	8.1	4			- •	17	AO	4.	76192	
4519	27	TAU	03 4	16 1	1.030	+23	54	07.66			-0.043	3.620	1	3.530	1	3.170	1	BRITT		76228	DV3
4520	31	TAU	03 4	19 2	0.056	+06	23	09.69		+0.0005	-0.004	5.67	2		2	5.30	١ē	B9		111469	D
4521	32	TAU	u3 5	53 5	4.497	+22	20	08.19		+0.0049	-0.106	5.69					j	DF3		76339	
4522	33	TAU	03 5	54 0	5.640	+23	n1	54.79		+0.0007	-0.016	5.97		5,960	100	100		B9.51V		76343	
4523	36	TAU	04 (1 2	1.932	+23	58	11.82		-0.0002	-0.012	5.56						F5+A		76425	n
4524	40	TAU	04 (1 0	5.383	+05	17	56.68		-0.0000	-0.007	5.33	2	5.25	2	4.69	2	B3V		111585	
4525	43	TAU			4.929		28	43.16		+0.0076		5.49		177			1-	GK1		93795	1
4526	45	TAU	04 (18 4	0.382	+05	23	39.94		+0.0098	+0.011	5.73	2	6.09	2	6.08	2	DF4		111648	
4527	46	TAU					35	23.29		-0.0003	+0.009	5.29	2		2	5.65	2	F3V	[111672	ם
4528	47	TAU			3.026			18.55.	1.0	-0.0008	-0.036	4 • 84	2		2	6.15	2	GG5		111674	Ď
1,529	48	TAU	04 1	2 5	5.737	+15	16	37.43		+0.0080	-0.027	6.32	2		2	6.74	2	DF2		93836	٧? .
4530	51	TAU	04 1	.5 2	5.390	+21	27	31.53		+0.0068	-0.034	5.65	2	5.93	2	6.00	2	DA8		76541	
4531	53	TAU						22.94		+0.0022	-0.040	5.28		5.230				ДР	. 1	76548	
4532	55	TAU			2.877					+0.0081	-0.032	6+86	4					GO	4	93870	D
4533	56	TAU	04 1	.6 3	8.847	+21	39	15•94		+0.0022	-0.038	5.24		5.100	. 1		ľ	ASI	·	76551	
4534	56	TAU			5.960					+0.0074			2	5.48	2	5.58	2	6GA8		93676	
4535	60	TAU			4.239					+0.0077			2		2	6.14	2	АМ		93892	100
4536	62	TAU			8.605					+0.0005	-0.008	6.14	- 1	6.300	.	100	l	B3V	. [76591	D
4537	63	TAU			2.682					+0.0072	-0.027	5.64	2	5.94	2	6.07	2	A M	1	93900	
4538	64	TAU			2.579					+0.0077	-0.037	4.80	2		2	5.08	2	A7V		93907	
4539	67	TAU						13.99		+0.0079		5.28	2	5.53	2	5.62	2	A5N	- 1	76602	
4540	68	TAU						55•20		+0.0076		4.28	2		2	4.40	2	AZIV		93923	ם
4541	70	TAU						41.75		+0.0074		6.46	2		2	6.97	2	DF5	.	93995	Ď.
4542	71	TAU	04 2	23 2	9.605	+15	30	23.06		+0.0077		4 • 50	2	4.75	2	4.89	2	FOV		93932	
4543	72	TAU						07-12		+0.0005		5.37			- 1			B6V		76613	
4544	75	TAU	04 2	25 3	4.659	+16	14	58•50		+0.0004		5.10						K2III		93950	٧?
4545	76	TAU	04 2	25 3	3.235	+14	37	52.72		+0.0074	-0.022	5.90	2	6.22	2	6.28	2	DFO	.	93948	
4546	80	TAU	04 2	27 1	7.324	+15	31	49.66		+0.0070	-0.023	5.58	2	5.90	2	6.00	2	A6N		93970	ו סי
4547	81	TAU	04 2	7 4	7.539	+15	35	05.33		+0.0071	-0.022	5.48	2	5.74	2	5.84	2	A7M	.	93978	i
4548	83	TAU			8.251					+0.0072	-0.021	5.41	2	5.67	2	5.77	2	DF1	:	93979	
4549	84	TAU			6.719					+0.0031	-0.045	6.64	4					MA	4	93983	
4550	85	TAU	04 2	9: 01	0.180	+15	44	45 - 45		+0.0070	-0.026	6.02	2	6.36	2	6.39	2	A9N	1	93993	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

IUMBER	DES	STAR IGNATION	1	T. MN		SEC	DECI DEG	Τ.	SEC	P N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N	MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAP PROP.	L
4551	89	TAU	04	35	17	7.491	+15	56	05.25		+0.0064	-0.022	5.79	2	6.10	2	6.16	2	DA8		04043		
		TAU							45.23		+0.0013		6.08						DF6		76727		1
4552	95								07.01		+0.0003		6.22						GK3		94151	D	
4553	96	TAU							20.65	1	+0.0007		5.83		100				GG8	1	76858	חי	1
4554	99	TAU							35.68	1	+0.0061		6.70	4	1 4			[F5	4	94248	1	١
4555	101	TAU							03.46		+0.0001		5.41			1		1	B2V		76974	ו ס	1
4556	103	TAU							25.58		+0.0004		5.83		6.040	1		1	B2VP	1	76972		
4557	105	TAU							48.08	١.	+0.0004			4	0.0.0				G5	4	94345		1
4558	107	TAU							45.68		-0.0005		6.13		6.210	Į į			VISA	l "	77057	1	-1
4559	108	TAU									-0.0020		6.02		6.160			1	A2V	l .	94514	1	Į
4560	110	TAU							13.89			-0.008	4.98		5.520	1			F8V]	94526	1 .	-
4561	111	TAU							19.58			-0.004	6.16		3. 320				B3N		94543		
4562	113	TAU							26.94		+0.0004		5.30	'		1			B5V		94554	י פו	
4563	115	TAU							15.48			-0.022	5.47	٠.,	5.480				B9V		94566	1	- [
4564	116	TAU							01.13		+0.0004		6.86		3.400	1	}		GM1	1	94573		-1
4565	117	TAU							57.17			-0.030	5.9	1 -	5.860	1		1	B9V		77201	ח .	- 1
4566	118	A TAU							42.67			-0.031	6.6	1.5	6.560				B9V		77200	0	- [
4567	118	B TAU		26					37.82				5.54		0.500		1.	1	ВР		94649		-1
4568	120	TAU							22.95			-0.001	5.16				1	1	B3V	ı	772A5		- 1
4569	121	TAU							29.85			-0.014	5.54	2	5.76	2	5.86	2	A5	1.	94700		- 1
4570	122	TAU							40.36			-0.032	5.04	ے اِ	4.870	-	3.00	1	BŽV		77360	1	-
4571	125	TAU		5 36	5 3	8.170	1+25	52	15.39			-0.022		2	4.74	2	4.11	2	B3IV		94759	al	-
4572	126	TAU							35 • 29			-0.019	4 • 86 6 • 68	4	70/7	}-	7	1-	B9	4	94793	1	-1
4573	127	TĄU							29.26			-0.006		4		l	1	1	AO	4	94823	1	-1
4574	128	TAU							58 - 34			-0.009	6.81	-	5.830	1	1	1	B7IIIP	1	94848	1	١
4575	129	TAU							16.86			-0.005	5.88		3.830	1			GF4		94858		-
4576	130	TAU							43.75			0.007	5.38	1	5.650		1		A3V		94855		į
4577	131	UAT	0	5 44					18.05			-0.040	5.61		2.030	1	1	1	GRIII		77592	V?	- 1
4578	132	TAU							09.24			-0.027	4.86	1	4.970	ĺ			B2V		94864	ס	. 1
4579	133	TAU							59.18			-0.014	5.15	٦			. 60	2	B9IV		94888	"	١
4580	134	TAU							13.65			-0.024	4.91	2	4.84	2	4,68	14	GG9	4 .	94904	1	
4581	135	TAU							34.37			-0.036	5.55	2	1, -7	1	1	2	AOIII	}	77675	Ь	1
4582	136	TAU							08.48			-0.014	4.59	12	4.57 5.500	2	4.60	٢	AP		94945	"	
4583	137	TAU		5 49					38.95			-0.006	5.54	١,	4.76	١.	3.82	2	8118		77775	1	
4584	139	TAU	1 -						58 • 59			-0.002	4.82	2	6.150	٦	3.02	12	BaV	1	77858	1	
4585	141	TAU							04.85			-0.021	6.23	١,	5.44	2	6.39	2	KOIII		76430		
4586	37	A- 1 TAU		4 0;					49.01			-0.056	4.37	2	6.52	2		2	DG1		76438	1	1
4587	39	A- 2 TAU							31.92			-0.133	5.90	2			6.64			1	93960	1	i
4588	79	-B TAU							18.33			-0.012	5.03	2	5.26	2	5.38	2	A6N		94044		
4589	90	-C- 1 TAL		4 3					43.81			-0.010	4 • 27	2	4.39	2	4,52	2	A5V B7IV		94063		
4590	93	-C- 2 TAL							03-97			2 -0.007	5.38		5.270		11 50	,	A M	. "	94026	DV3	
4591	88	-D TAL	7						35-26			-0.044	4.26	2	4.44	2	4.56	2	B3V	1 .	93611	DV?	
4592	30	-E TAL		3 4					27.5			0.019	6.00		E 02		6 25	12			93469	1 "	
4593	5	-F TAL							00.30			+0.002	4.10	2	5.23	2	6.25	2	KOII-III FOV	7	93469		
4594	57	-H TAL							58 • 43			-0.019	5.59	2	5.87	2	5.95	2		1 '	94164	l v	
4595	97	-I TAL							23.40			3 -0.035	5.11	2	5.32	2	5.44	14	DA5	1	76862	D	
4596	98	-K TAL							30.10			2 -0.049	5.54		5.540	'			B9,5V?		76971	1	-
4597	106	-L TAI	ם נ	5 0					15.0			+ -0.034	5.17						A3	1			
4598	104	-M TAL	ه ا د						46.9			3 +0.019	4.96	Ť				1	G4V	1	94332	D	
4599	109	-N TAL							47.8			8 -0.081	5.00		1	1.		1_	GSIII		77097	1	
4600	114	-O TAL		5 2	4 3	37.75	0 +21	5.	45 8	5	+0.000	2 -0.007	4.89	2	4.75	2	3.98	12	B3V	1	77184	1 .	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	> 2		B N	UV MAG.	U N	SPECTRAL CLASS	S	5A0 CAT-110.	STAR PROP.	G N
4601	44 -P TAU	04 07 46.846	+26 21 07.73	-0.0024	-0.036	5.40						DF3		764R5	V	Γ
4602	19 -0 TAU		+24 18 42.91	+0.0014		4+30	2	4.19	2	3.73	2	B6V	l	76140		
4603	R TAU		+10 03 08.88	+0.0011		7.4	4					M6F	- 4	93949	V	1
4604	66 -R TAU		+09 20 46 • 19	-0.0012		5.12	2		2	5.30	2	A2	1 .	111791	י	1
4605	4 -S TAU		+11 09 58 68	-0.0007		5.11	_	5.080			1 .	B9.5V		93463		1
4606	6 T TAU		+09 12 21 13	+0.0021		5.77	2	5.69	2	5.39	2	B8		111246	1 .	1
4607	29 -U TAU		+05 53 41 52	+0.0010		5.35	2	5.24	2	4,63	2	B3V	١	111400	J.	1
4608 4609	V TAU X TAU		+17 27 18•75 +07 37 26•40	+0.0004 +0.0040		8+5	4					M4E	4	94173	V	
4610	Y TAU		+20 40 33.18	-0.0000		6.96	2	9.99	2		1	F5 C7-4E	4	111476 77516	v	1
4611	BL TAU		+20 03 36.69	+0.0005		8.9	6	2032	٦			. 07-46	ļ	76297	ľ	
4612	28 BU TAU		+23 59 07.56	+0.0010			2	5.01	2	4.73	2	ВВР		76229	ν	1
4613	CD TAU		+20 04 47.81	-0.0006	, _ ,		4	0.01	-	***	-	F5	4	77084	עמ	1
4614	119 CE TAU		+18 33 31.99	+0.0002			2	6.41	2	8.62	2	M2IB	1	94628	ľv	1
4615	CO TAU		+24 43 03.68	+0.0005		8.6	6		_			F5	6	77299	V	1
4616	DV TAU		+18 31 26.46	-0.0006	-0.028	8.4	6				l	MB	6	94604	v	
4617	DY TAU		+18 31 02.00	+0.0008		9.1	6				1	MC	6	94779	V	1
4618	ET TAU		+27 14 33.44	+0.0029		8.8	6					B8	6	77330	٧	
4619	EU TAU		+18 38 15 60	+0.0001		8.4	6				l	G5	6	94837	V	1
4620	41 GS TAU		+27 28 00.58	+0.0015		5.19	١.	5.050			l	ASI		76455	V	1
4621 4622	HU TAU		+20 35 09.41	-0.0012	-0.005	5.70		5,66			ŀ	B8V		76680	V.	1
4623	IM TAU		+23 34 43.11	-0.0002	40 000	10.3	7	1.0						76934	l v	
4624	RW TAU		+27 59 22.38	+0.0024			7	8.06	7		l	AO AO	6	76418	ľ	1
4625	ST TAU		+13 33 23.84	-0.0009		8.5	6	9.2	'-			GO	6	94828	v	1
4626	SZ TAU		+18 26 35.17	-0.0012		7.2	4		7			Gn	4	94036	ľ v	
4627	TT TAU		+28 26 35.85	+0.0014		10.2	7		'			N3	6	76788	ľv	1
4628	TÚ TẦU		+24 24 01.27	+0.0000		11.1	7	4 .	l	:	l	N3	6	77502	l v	l
4629	WW TAU	03 58 34.607	+30 06 56 94	+0.0000		9.1	6					K7	6	56908	v	1
4630	V 473 TAU		+29 29 07.09	-0.0001	-0.032	7.21	4	7.23	7			AOP	6	76771	V	1
4631	V 479 TAU		+05 01 42.86	+0.0017	-0.020	8.5	6	8.89	7	11.0		F3II-III	7	111492	υ۷	1
4632		= 97 -I TAU									l			-	l	1
4633	V 483 TAU	= 57 -H TAU				1.0								-		
4634		= 9 TAU		l					_				l _			
4635 4636	V 534 TAU V 593 TAU		+24 39 59 30 +26 26 06 90	+0.0023		8.4	6	8.76	7	8.88		A9V	7	76184	4	1
4637	87 ALP TAU		+16 24 37.51	+0.0008 +0.0045			6	0.000	١. ا			B3	6	77668	, V	1
4638	112 BET TAU		+28 34 01.74	+0.0019		1.650		2.400		4.320 1.030		K5III B7III		94027 77168	۷۵	
4639	54 GAM TAU		+15 30 30 62	+0.0080		3.650		4.640		5.450		KOIII		93868	۷?	1
4640	61 DEL TAU	04 20 02.844	+17 25 36.81	+0.0075		3.760		4.750		5.570		KOIII		93897	٧̈́	1
4641	74 EPS TAU		+19 04 16.36	+0.0076		3.540		4.550		5.420		KOIII		93954		
4642	123 ZET TAU	05 34 39.263	+21 06 50 00	+0.0001		3.030		2.840		2.220		BZIVP		77336	v	1
4643	25 ETA TAU	03 44 30.424	+23 57 07.57	+0.0014		2.870		2.780		2.430		87111		76199	0	İ
4644	77 THE- 1 TAU	04 25 42,882	+15 51 10 15	+0.0071		3.830	1	4.780	1	5.500	1	KOIII		93955		1
4645	78 THE- 2 TAU		+15 45 41.80	+0.0071		3.390		3.570		3.690		ATIII	'	93957		1
4646	102 TOT TAU		+21 31 13.23	+0.0047			2		2		2	A7V		76920		1
4647	65 KAP TAU		+22 10 51 94	+0.0070			2		2		2	A7V		76601		1.
4648	35 LAM TAU		+12 21 02.13	-0.0005		3.410		3.290		2.660		B3V		93719	V.	1
4649	49 MU TAU		+08 46 07.09	+0.0014			2		2		2	B 3 V		111696		
4650	I 38 NU TAU	1 04 00 29.584	1+05 51 07.47	+0.0001	I-0•000	3.910	ı 1 I	3.940	11	4.000	11	A1V		111579		1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

UMBER	STAR DESIGNATION	RT. A	SCEN. SEC	DECLINA		P N	RA PM	DEC PM		N	BLUE MAG•	B	· ·	U N	SPECTRAL CLASS	S 11	SAN ChT.NO.	PROP.	1
	2 XI TAU	03 24	27.329	+09 33	35.17	Τ	+0.0039	-0.035	3.750	1	3.660		3.330		B8P		111105		١
4651		03.20	07.121	+08 51			-0.0046	-0.075	3.600	1	4.490		5.110		GBIII		111172	٧?	١
4652	1 OMI TAU 73 PI TAU	00 22	46.677	+14 36	08.28		-0.0002	-0.032	4.69	2		2		2	GBIII	1	93935		١
4653		114 31	00.440	+14 44	27.45		+0.0069		4 • 65	2	4.90	2	4.98	2	FOV		94007	l	١
4654	86 RHO TAU	04 31	17 700	+15 42	10.83		+0.0027		5.13		5.280	i I			AM		94051		
4655	91 SIG- 1 TAU	04 36	211.685	+15 49	14.21	1	+0.0056		4.70	2	4.84	2	4.98	2	A5V	1	94054	<u> </u>	
4656	92 51G- 2 TAU	04 30	24.003	+22 51	14.57		-0.0001		4.29	2	4.15	2		2	B3V	1	76721	1	
4657	94 TAU TAU	04 39	14.403	+22 42	06.75		+0.0076		4 • 28	2	4.54	2	4.69	2	FOIII-IV	1	76608	_	
4658	69 UPS TAU	04 23	10.000	+27 13	E0.30	íl.	-0.0018		4.92						Killi	1 .	76558	ח	
4659	52 PHI TAU						+0.0013		5.38		5.360				B9.5V	1	76573	D D	
4660	59 CHI TAU	04 19	32.079	+25 30			-0.0067		5.32			l	! .		DF1	1	76461		
4661	42 PSI TAU	04 03	54.653	+28 52	04.07		-0.0031		4.94	2	5.20	2	5.31	2	AM	ł	76532	1	
4662	50 OME TAU	04 14	19.595	+20 27	25.70	!	+0.0024		7.33	4		-			F8	4	245923] V	
4663	BL TEL	19 02	43.938	-51 29	42.10	3] -	-0.0028		8.1	6	}	1			A2	6	229902	V	
4664	HO TEL	19 48	21.623	-46 59	23.69	:1		-0.109	8.8	6	8.94	7	ł	1	An	6	229444	V	
4665	MT TEL	18 58	30.762	-46 43	2/030	31	+0.0011		8.9	ŭ				i .	MA	4	229497	ν	
4666	RX TEL	19 03	17.992	-46 02	54.39		-0.0014		3.510	l i	3.340	1	2,690	1	BSIII	1	229023	1	
4667	ALP TEL	18 23	15.974	-45 59	53.11		-0.0007		4.96	2	4.85	2	1 -		B6IV -	1	229092	ł.	
4668	DEL- 1 TEL	18 28	03.189	-45 57	02.01	: 1	+0.0004		5.33	-		1	1	1	BSIV	i	229095	1	
4669	DEL- 2 TEL	18 28	20.114	-45 47	3/043	31	-0:0014		4.53	2	5.54	2	6.32	2	GSIII	1	228777	n	
4670	EPS TEL	18 07	31.023	-45 57	54.77		+0.0147		4.125		5,140		5.955		GK0	1	229047		
4671	ZET TEL			-49 66	00.50	3		-0.069	5.05	Ιè	5.07	la	1	1	An	1	246055		
4672	ETA TEL	19 18	49.411	-5% 31	07.68	2		-0.036	4.90	2	5.99	2	1	1	G9III	1	229751	1	
4673	IOT TEL	19 31	30.714	-48 12	32.5	?		-0.103	5.27	٦	1 3.77	-	1.7		GGB	1	245772		
4674	KAP TEL	18 48	41.748	-52 10	01.54	!		-0.000	5.03	1				1	BOILI		245834		
4675	LAM TEL	18 54	27.986	-53 00	22.7	3 ·		-0.012	6.41			1	1	1	DF6		246131	1	
4676	MU TEL	19 26	31.603	-55 12	2 53.3	?		-0.135	5.35	2	5.55	12			AM	Į	246271	1	
4677	NU TEL	19 43	56.776	-56 29	05.85	* .		+0.010	4.930		6.540		8.370	1	M2III	ļ	246443		
4678	XI TEL	20 03	33.869	-53 01	1. 33.20	. .		-0.115	5.16	2	5.69		0.01		DF8	1	245921	1	
4679	RHO TEL	19 02	22.677	-52 24	59.3	21		-0.007	6.15	15	6.250		1		A M	1	55338	٧?	
4680	TRI	02 08	29.234	+31 17	7 39 3	41			5.24	1	5.230		1	1	B9.5V		55397		
4681	TRI	02 12	58.322	+33 07	/ 38.9	41.		-0.034	5.23	1	5.270		1		A2V		75276	D	
4682	16 TRI	02 16	02.723	+28 24	4 46.3)		-0.024	5.72	1	3.2.0	1		1	GK1	1	55570	1	
4683	11 TRI	02 24	29.556	+31 3	4 40 • 5	<u> </u>		-0.082	5.28			1	1		GA7	1	75382		
4684	12 TRI	U2 25	13.65	+29 26	50.2	-1		+0.078	5.79	1		١.		1	DGO	1	75391	1	
4685	13 TRI	02 25	52.026	1 +29 4	2 29.0	41		+0.017	5.23	1		1		1	KSIII	1	55635		
4686	14 TRI		02.53	3 +35 5	5 36 • 1	2		-0.046	5.45	1	.1		1	1	GM3		55687	DV?	
4687	15 T _R I		2 44.23	+34 2	8 14.5			+0.005	8.4	6			1	1	MB	6	55785	V	
4688	W TRI		27.43	3 +34 1	B 10.0	91		-0.006	8.6	6		-		1	A2	6	75082	V	
4689	X TRI	01 57	42.35	3 +27 3	8 50 • 2	91			9.1	6			1		A5	6	74803	V	
4690	RS TRI	01 32	2 00 44	2 +29 2	0 01.2	41		+0.002	9.1	6			1:		1		55442	l v	
4691	SU T _R I		13.32	9 +31 3	1 07.5	2		+0.001		_	3.900	1	3.960	di:	F6IV		74996	.i	
4692	2 ALP TRI		13.44	1 +29 2	0 10 • 1	4		-0.229							ASIII	I	55306	1	
4693	4 BET TRI		5 33.57	9 +34 4	06.5	2		-0.037 -0.046	4.01						AOV		55427	1	
4694	9 GAM TRI		20.01	1 +33 3	/ 01.4	9						12		2	GOV	1	55420	ם	
4695	8 DEL TRI		59.61	4 +33 5	9 47.6	1		3 -0 - 237	5.50	2		2		2	AZIII	1	55218	ס	
4696	3 EPS TRI	02 00	02.18	6 +33 0	2 38•4	0		0.009		٦	1 3.33	~		1	G5111	1	55347	D	
4697	6 IOT TRI	02 09	27.75	9 +30 0	4 10.9	0	-0.004	-0.059	3.05	4	7.65	17		1	GO	4		V-	
4698	R TRA	15 15	5 15.87	2 -66 1	8 53.3	7		-0.022		"	6.60				G5	1	253377	V	
4699	S TRA	15 5	6 40.16	9 -63 3	B 10.0	5		1 -0.006		4	1	٦.			AO	4	1	DV	
4700	T TR/		4 58.52	1 -68 3	1 49.9	0	J =0.005	5 -0 - 044	6.97	14		- 1	1	1	1 ~~	. 1 ~		1	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER DESIGNATION RR MN SEC DEF DEF D	di Maria			STAR DESIGNATI	LON	AS MUD 31	AR DAIR	UNDLINED	. 0	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		. 10115						
NUMBER DESIGNATION Ha MN SEC DE6 MN SEC N PM PM MA6, N MA6,		STAR	RT. ASCEN.	DECLINATION P	٠	RA	DEC	VISUAL	v	BLUE	В	Y -	-	-,			STAR	G
1702 V	ء د				ı		РМ	MAG.	N	MAG.	N	MAG.	N	CLASS	11	CAT . NO .	PROP.	N
4702	· n	USSI GILLATETT	71.5		\dashv			 	\neg						t	0=3430		
4702 X ThA 15 50 29.113 -69 53 817.43	1	U TRA	16 02 51.183				_		4	8.39	7				1 4		v	١.
4703 EP TRA 14 52 28.130 -68 38 17.43 -0.0028 +0.011 8.7 6 6	12	X TRA	15 09 29.113	-69 53 34 63	٠ إ									N P	1			1
4706 ALP TRA 15 44 95.6631 505.78 4706 ALP TRA 16 43 21.059 -68 56 19.89 4707 BET TRA 15 14 12.558 -68 29 48.62 4708 OF ALP TRA 16 50 32 116 505.78 4708 OF ALP TRA 16 50 32 116 505.78 4708 OF ALP TRA 16 50 32 116 505.78 4709 DEL TRA 16 50 52.116 -65 33 37.10 4710 EPG TRA 16 50 30.880 -69 58 25.44 4711 EPG TRA 16 50 30.880 -69 58 25.44 4712 ETA 7RA 16 36 12.528 -66 13 52.26 4713 THE TRA 16 50 31.428 -66 13 52.26 4714 ATT 100 TRA 16 50 31.428 -66 12 72.27 4715 ATT 100 TRA 16 50 31.428 -66 12 72.27 4716 ATT 100 TRA 16 50 31.3367 -65 80.60 40.0018 4717 AN TOC 22 77 33.672 -58 42 07.46 4718 AD TOC 22 15 05.690 -60 30 35.03 4728 BET T TOC 00 29 16.518 -63 14 22.50 4729 BET T TOC 02 21 50.5690 -60 30 35.03 4726 BET T TOC 02 23 48.097 -65 51 19.05 4726 BET T TOC 02 23 48.097 -65 51 19.05 4727 BET T TOC 02 23 48.097 -65 51 19.05 4728 BET T TOC 02 25 58.89 -69 08 28.30 14.0018 -0.0028 -0.0038 -0.0039 -0.0038 -		EN TRA	14 52 28.130	-68 38 17.43	-1							N						
4706 ALP TRA 16 52 149,326 -63 15 05.78	-		15 44 56.831	-64 06 47.84	- 1										6			1
#706 ALP TRA 16 43 21.059 1-68 56 19.89			15 21 49.326	-63 15 05.78		-0.0011	+0.004						١.		6		V .	1
4707 BET TRA 15 50 42.980 63 16 42.59 -0.0278 -0.396 2.8501 2.900 1 2.900 1 2.8701 1 4700 4710 EP5 TRA 15 32 07.105 66 09 94.08 4710 2F5 TRA 16 10 52.116 63 33 37.10 4.00015 -0.011 4.950 1 2.8701 1 4.950 1 2.8701			16 43 21.059	-68 56 19.89		+0.0052	-0.034								1			1
4706 GAM					١.	-0.0278	-0.396	2.850	1						i i		1	
4710 DEL TRA 16 10 52:116 -63 33 37:10					- 1	-0.0110	-0.031								!		1	1
4710 EPS TRA 15 32 07.105 -66 09 04.08 +0.0040 +0.015 +1.11 2 5.28 2 5.48 2 5.49 2 5.49 2 5.49 2 4.712 4.712 ETA TRA 16 30 33.880 -69 58 28.74 +0.0006 -0.014 5.91 2 5.85 2 5.49			16 10 52.116	-63 33 37 10	Ì	+0.0015	-0.014								1			1
4711 ZET Tiph 16 23 33,880 -69 58 28,74 47,13 THE Tiph 16 30 54,840 -65 23 32,266 47,13 THE Tiph 16 30 54,840 -65 23 32,266 47,13 THE Tiph 16 23 17,565 -63 56 54,661 47,14 10T Trah 16 23 17,565 -63 56 54,661 47,15 47,15 47,15 47,15 47,15 47,17 47,17 47,17 47,17 47,17 47,17 47,17 47,17 47,17 47,17 47,19 47			15 32 07 105	-66 09 04.08		+0.0048	-0.065								1		D	
4712					.	+0+0404	+0.101										1	1
# 713					- 1	+0.0006	-0.014								ŀ		1 .	
4714						+0.0057	-0.042		2	6.45	2	7.18	2		1		l _	1
4716					- 1	+0.0083	+0.025							***			' [']	
4716 4717 AN TUC 23 27 33.572 -58 42 07.46 4718 4719 ALP TUC 22 15 05.690 -60 30 35.03 4719 4720 BET-1 TUC 00 29 15.752 -65 14 00.58 4720 BET-3 TUC 00 29 16.518 -63 14 27.50 4721 BET-2 TUC 00 30 27.662 -63 18 23.45 4722 BET-3 TUC 00 30 27.662 -63 18 23.45 4723 GAM TUC 23 14 31.468 -68 30 36.44 4725 GAM TUC 23 14 31.468 -68 30 36.44 4726 EPS TUC 23 57 19.974 -65 51 19.05 4727 ETA TUC 23 57 19.974 -65 51 19.05 4728 THE TUC 00 31 16.819 -71 32 30.93 4729 IOT TUC 00 50 30.741 -69 08 23.34 4729 IOT TUC 00 50 30.741 -69 08 23.34 4730 KAP-1 TUC 00 50 30.741 -69 08 23.34 4731 KAP-2 TUC 00 50 30.741 -69 08 23.34 4733 LAM-2 TUC 00 50 30.741 -69 08 23.34 4735 LAM-1 TUC 00 50 30.741 -69 08 23.34 4736 ARP-1 TUC 00 11 40.3911 -69 08 23.34 4737 KAP-1 TUC 00 10 52 08.132 -62 02 31.21 4730 KAP-1 TUC 00 50 30.741 -69 08 23.34 4731 KAP-2 TUC 00 50 30.741 -69 08 23.34 4733 LAM-2 TUC 00 50 30.741 -69 08 23.34 4734 VA VAR AND AND AND AND AND AND AND AND AND AND			15 50 31.428	-68 27 23 27	ı	-0.0009	-0.014			6.22	2	7.15	2					1
4717			22 37 16.783	-61 48 53.94	- [+0.0001	-0.022	7.7					İ				V	1
4716			23 27 33.672	-58 42 07.46	1	+0.0049	+0.009	9.8	6				-				V	
ATP ALP TUC 22 15 05.690 -60 30 35.03 -0.0080 -0.039 2.8501 1 4.3201 1 4.5201 1 88V 248201 248					.			5 • 64		7.20	7		1		6		v	1
#720 BET- 1 TUC 00 29 15.752 -63 14 00.38			22 15 05 690	-60 30 35.03	- 1	-0.0080	-0.039	2.850	1	4.220	1	5.750	1		1		4	
# 1721 BET - 2 TUC 00 29 16.518 -63 14 27.50 +0.0156 -0.052 4.550 1 4.690 1 4.720 1 A2V 248202 D A2 A2 A2 A2 A2 A2 A2					1			4.370	1	4.320	1	4.150	1	B8V	1			1
## 122 BET - 3 TUC 00 30 27.662 -63 18 23.45 +0.0127 -0.034 5.16 -0.0032 4.380 TUC 22 13 14 31.468 -58 30 36.44 +0.0124 +0.005 4.47 2 4.37 2 880 TUC 22 23 48.047 -65 51 19.05 +0.0091 -0.002 4.480 1 4.390 1 4.390 1 4.110 1 87V 25522 D					- 1			4.550	1	4.690	1	4.720	1	A2V	1		-	1
4723 GAM TUC 23 14 31.468 -58 30 36.44					١				1	100	1			A2		248208	, D	ı
#724 DEL TUC 22 23 48.047 -65 13 16.17					ļ				1	4.390	1	4.360	1	FOIII	1	247814		1
4725												4.37	2	Bav	1		D	1
4726 4727 4728 4728 4729 4729 4730 4740 4731 4740 4731 4740 4731 4740 4733 4734 4735 4735 4736 4737 4738 4738 4739 10 10 10 10 10 10 10 10 10 10 10 10 10			27 57 19.974	-65 51 19.05	ı								1	B7V		255619	1	1
4727 ETA TUC 23 54 58.492 -64 34 33.31					-					4.810	1	4.830	1	G2V	1	248163	1	1
1728 THE TUC 00 31 16.819 -71 32 30.93										5.06	2	5.14	2	A2 .	1	2556n9	1	1
4729 10T TUC 01 05 20.132 -62 02 31.21								1				6.56	2	A4M2	1	255679	V	1
4730 KAP- 1 TUC 01 14 03.911 -69 08 23.34 +0.0664 +0.113 7.186 2 7.656 2 7.686 2 F6V 248345 D													l	GSIII	1	248324	1	
4731 KAP- 2 TUC 01 14 04.616 -69 08 28.63												7.686	2	F6V	1	248345	מ	15
4732 LAM- 1 TUC 00 50 30.741 -69 46 28.74														F6V	1	248346	l D	15
4733					- 11									F8	i i	248269	DV?	1
4734														G7III	1	248281	D	1
4735 XI TUC 22 44 15.109 -65 49 27.93														GM4	1	255247	1	j
4735			20 44 15,100	65 19 27.03	.					I	ľ				4.		1	1
4737 RHO TUC 00 40 20.682 -65 44 33.03 +0.0094 +0.048 5.39 2 5.89 2 5.91 2 DF5 GG3 14703 4738 6 UMA 08 52 21.685 +64 47 49.80 -0.0040 -0.084 5.55 3.970 1 4.400 1 4.46			00 18 20 600	-69 54 08-81						5.46	2	5.32	2		1		1	1
4738 6 UMA 08 52 21.685 +64 47 49.80												5.91		DF5	1	248237	1	1
4738 6 0 0MA 08 57 24.075 +41 58 55.79		• • • • • • • • • • • • • • • • • • •	00 50 21 605	164 47 49.80	- 1				-	1	1		1	GG3		14703	1	ı
4739 16 UMA 09 12 08.473 +56 57 00.55			00 57 24 075	141 ER 55.70					1	4.400	1	4.460	1		1	42642	יים	15
4741 20 UMA 09 16 40.917 +59 59 35.56 +0.0048 -0.020 7.46 4 4 27213 27249 DF6 4743 22 UMA 09 30 13.314 +72 25 45.64 +0.0168 -0.079 5.72 4744 26 UMA 09 31 24.644 +52 16 30.21 -0.0072 -0.039 4.51 2 4.51 2 4.55 2 K0 III A7N COLUMN 09 38 23.692 +72 28 53.18 -0.0056 -0.031 5.20 C K0 III A7N DF6 14980									-				1			27185	1	1
4742 21 UMA 09 22 06.191 +54 13 56.75									4		.[1	1		4	27213		-1
4743 22 UMA 09 30 13.314 +72 25 45.64 +0.0168 -0.079 5.72 4744 26 UMA 09 31 24.644 +52 16 30.21 -0.0072 -0.039 4.51 2 4.55 2 A2V K0III 4745 27 UMA 09 38 23.692 +72 28 53.18 -0.0056 -0.031 5.20 K0III 4780 D													1	1	4	27249	D	1
4743 22 UMA 09 30 13.314 772 23 43.041 -0.0072 -0.039 4.51 2 4.51 2 4.55 2 A2V K0III 6936 4745 27 UMA 09 38 23.692 +72 28 53.18 -0.0056 -0.031 5.20 K0III 4980 D										Į.		1	1		1	6898	1	1
4744 26 OMA 09 31 23.692 +72 28 53.18 -0.0056 -0.031 5.20 KOIII 6936 14980 D									2	4.51	2	4.55	2		1	27298	1	-
14980 D		.==:			. '				1	""	1	1	1		ſ		1	1
		TT 1							1				1		İ		D	
4/46 28 UMA U9 42 05 65 100 5 5 1 10 0 0 179 0 0 179 0 0 179 0 0 179 0 0 179 0 0 179		28 UMA										1	1	B .	1		[1
4/47 32 UMA 10 14 25-65/ +65 21 51-37 0-0101 0 075 6 26 1 15196									1	1	1:	1	1		1		1	1
4/48 35 UMA 10 20 22-714 703 52 36-70 27670 27670									10	5.36	2	5.35	12		1		1	1
4749 36 WMA 10 27 20-440 757 14 15-47 1 15 20 15 15 15 15 15 15 15 15 15 15 15 15 15												5.48	12		1		1	1
4750 37 UMA 10 31 57.350 +57 20 27.14 +0.0081 +0.035 5.16 2 5.50 2 5.48 2 FIV	50 3	37 UMA	10 21 21.320	+51 50 51+14		40.0001	10.035	3.10	1	1	1	1	1 .	-	1		1	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C T.MO.	STAR PROP.	
			+65 58 44.21	-0.0268	-0-076	5•n1						K2III		15251	V.2	T
4751	38 Uv/A			+0.0019		5.78		5.760				B9		27748	· · ·	ı
4752	39 UMA		+57 27 44 40	-0.0064		6.34	2		2	9.80	2	MIIII		27760		ŀ
4753	41 UMA		+57 37 48.38				٦	7.50	ا ۲ ا	7.00	-	GK2		27793		ŀ
4754	42 UMA		+59 35 09.85	-0.0041		5.52			. 1			GK1		27791		1
4755	43 UMA		+56 50 50 90		-0.001	5.61					. 1	K3111		27815	l	١
4756	44 UMA		+54 51 05 • 10		-0.013	5.20		1. 1. 1.				KIIII		62314		
4757	46 UMA		+33 46 27.52	-0.0088		5.07	ا ہا	5.66	ا ا	E 70	2	GOV		43557		1
4758	47 UMA		+40 41 51.77		+0.051	5.05	2		2	5.79	2	FOM		62354	l	1
4759	49 UMA		+39 28 51 78		-0.024	5.08	2	5.32	2	5.49	2				5	١
4760	51 UMA		+38 30 40 27		-0.001	5.98		6.140				A3V		52387	,	İ
4761	55 UMA		+38 27 36.38		-0.074	4.79	2	4.91	2	4.94	2	A2V		62491 43719		ĺ
4762	56 UyA		+43 45 26 32		-0.013	5.00	2	5.98	2	6.78	2	GSII			D	1
4763	57 UMA		+39 36 44 41		+0.011	5.24		5.240			1	A1V		62572		ı
4764	58 UMA		+43 26 52 41		+0.078	5.79						DF5		43787		
4765	59 U _M A	11 35 41.090	+43 54 10 • 14		-0.038	5.47						A7N	1	43837		ı
4766	60 UMA		+47 06 42.03		-0.030	6.22						DF2		43839 62655	כע	1
4767	61 UMA		+34 29 02 88		-0.388	5.34	2	6.08	2	6,31	2	68V			. 0 -	١
4768	62 UMA	11 38 58.336	+32 01 22.45		+0.019	5 • 66						DF1		62658 43945	DV?	1
4769	65 A UMA		+46 45 18.11		+0.004	6.46			ll			A0		43945	5	ı
4770	65 B UMA		+46 44 52.51		+0.001	6.81					ŀ	B9				ı
4771	66 UMA		+56 52 36 • 51		-0.004	5 • 84			1 1			GKO		28191		ı
4772	67 UMA		+43 19 22.85		+0.070	5.00						A M		44002		ı
4775	68 UMA		+57 19 57 68		-0.018	6.38			ll			GK5		28291		1
4774	70 UMA		+58 08 32 32		-0.077	5.55	ll				ļ.	GK5		28346	! .	Ţ
4775	71 UMA		+57 03 16.93		-0.023	5 • 81						GM3		28375	100	1
4776	73 UMA		+55 59 21 68		-0.015	5•61			1 1			GM2		>8394		1
4777	74 UMA		+58 40 50 23		+0.088	5.37						A5		28405		1
4778	75 UyA		+59 02 38 10		-0.028	6.10				150		GBIII-IV		28408	1	ł
4779	76 UMA		+62 59 14 10		-0.020	5 • 86			1.1		١. ١	A0	1	15871	200	1
4780	78 UMA		+56 38 07.77		-0.014	4 93	2	5.29	2	5.30	2	F2V	1	28601	DV3	1
4781	81 UMA		+55 36 15 08		-0.007	5.43			1 1			AOSI	1	28803	į	1
4782	B2 UMA		+53 10 24.43		+0.056	5.36			l l		<u>.</u>	A2		28832		1
4783	AN.U 88		+54 56 03 02		-0.011	4.66	2	6.29	2	8,25	2	M2III		28843	٧?	ı
4784	B4 UMA		+54 40 55.31		-0.004	5.49		5.400				AP		28885		1
4785	86 UMA		+53 58 26 27		-0.008	5.65	ll					A0	1	28928		
4786	2 A UMA		+65 19 03 83		-0.066	5.40						AM		14590	ì	1
4787	5 -B U _M A		+62 09 04.39		120.04	5.69				1.00		FO		14691		١
4788	16 -C UMA		+61 37 51 21		-0.034	5.17	_					DF9	1	14819		1
4789	24 -D UMA		+70 03 06.47		+0.076	4 • 57	2	5.34	2		2	G2IV		6897	ľ	1
4790	18 -E UMA		+54 13 47 18		+0.058	4 . 84	2	5.02	2		2	A5V		27191	1	1
4791	15 -F UMA		+51 48 28 27		-0.039	4.48	2	4.75	2	4.87		AM		27136		١
4792	BO -G UMA		+55 14 52.98		-0.021	4.020		4.180		4.260		A5V		28751	Λ5	1
4793	23 -H UMA	09 27 36.565	+63 16 55 10		+0.026	3.670		4.000	1	4,100	1	FOIV		14908	DV?	1
4794	R UMA		+69 02 19.49		-0.026	5.9	4		1			M4E	4	15273	V	1
4795	S UMA		+61 21 59 88		-0.017	7.0	4		1			SE	4	15883	V	1
4796	T UM		+59 45 43.32		7 -0.015	5.5	1 1		1			GM4E		28444	ľ	1
4797	U UMA	10 11 41.697	+60 14 02 67		-0.004	6.25		7,850	1			MOIII		15129		١
4798	W UMA		+56 10 56 26		-0.029	7.9	6	4 - 4 - 4 - 1			1	G0	6	27364	y	-
4799	Y UMA	1	+56 07 14.83	-0.0003	-0.004	7.9	6		1		ļ.	M711-1112		28471	V	1
4800	Z UMA		+58 08 59 27	-0.0038	3 -0.019	8.4	4		1 .	1	ı	M6E	4	28194	٧	ı

TABLE 3 CONTINUEL STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	>2		B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
4801	AW UMA	11 27 25.569	+30 14 35.18	-0.0077	-0.203	6.8	6			:		F0	6	62579	מס	
4802	AY UMA	11 38 06.521	+30 19 55 02	-0.0041	-0.000	9.0	6		ŀ					62653	V	
4803	CG U _N A	09 18 03.926	+56 54 44.96	-0.0011	-0.011	5.77		7.35	7		1	MATITA	7	27219	y	1
4804	KY U, IA		+61 35 13.27	-0.0061		7.6	6					M2-3IIIE	7.	15775	٧	
4805	ST UiA		+45 27 37.65	+0.0003		6.5	4					MB	4	43748	V	ľ
4806	31 SY UMA		+50 03 25.05	-0.0007		5.27					1	A2		27430	V	
4807	TT UMA	09 01 18.803		-0.0011		9•0	6				1			14755	V	
4808	TU UMA		+30 20 37.68	-0.0067			6	8.84	7		١.,			62578	٧	
4809	TV UMA		+36 10 18 06	-0.0046		7.2	6	A				MB	6	62693	V.	1
4810	TX UMA	10 42 24.445		+0.0014			4	100				B8	-4	43460	V	1
4811	TZ UMA	12 07 05 293		-0.0013		8 • 6	6					M2	6	28265	V	1
4812 4813	VW UMA VY UMA		+70 15 25.50 +67 40 27.25	+0.0057			5	8.41	2	13.18	2	M2 C6-3	' '	7250 15274	١٠٧	
4814	WY UMA	10 41 37.141 10 38 50.605		-0.0001			6	0.41	۲	12.10	١٣.	M3	6	27736	ľ	
4815	XY UMA		+54 41 40.00	-0.0055			6					G5	6	27143	l v	1
4816	YY UMA		+53 59 47.37	-0.0013		9.4	6] .	M5	6	27367	v	1
4517	ZZ UMA		+62 04 03.93	+0.0013			6			,		1	"	15198	v	
4618	50 ALP UMA		+62 01 16.80	-0.0168		1.790		2.860	1	3.780	1	KOIT-III		15394	DV3	1
4819	46 BET UMA	10 58 50.251		+0.0098		2.370		2.350		2.350	ī	A1V		27876	٧?	
482u	64 GAM UMA		+53 58 21.97	+0.0105		2.440		2.440		2.470		AOV		28179	V?	
4821	69 DEL UMA		+57 18 36 94	+0.0126		3.310		3.390	1	3.460		A3V	l	28315	۸5	
4822	77 EPS UMA		+56 13 51 . 13	+0.0131	-0.010	1,770	1	1.750	1	1.760	1	AOPV	1	28553	V	i
4823	79 ZET- 1 UMA	13 21 54.916	+55 11 09.46	+0.0139	-0.025	2.292	1	2.312		2.342	1	A2V		28737	DV?	15
4824	79 ZET- 2 UMA	13 21 55.808	+55 10 56 63	+0.0134		3.850	1	3.870		3.900		AM		28738	DV?	1.5
4825	85 ETA UMA	13 45 34.294		-0.0129		1.860		1.670		0.990		B3V	1.0	44752	۸5	
4826	25 THE UMA		+51 54 23 18	-0.1029		3.180		3.640		3,670		F6IV		27289	D	1
4827	9 IOT UMA		+48 14 22 05	-0.0443		3.140		3.330		3,400		A7V		42630	D	
4828	12 KAP UMA	09 00 13.266		-0.0033		3.600		3.600		3.700		A0_		42661	D	
4829	33 LAM UMA		+43 09 53 53	-0.0151		3.450		3.480		3,540		AZĪV		43268	l	
4830	34 MU UMA		+41 45 06.25	-0.0074		3.050		4.640		6,530		MOIII		43310	_v?	
4831	54 NU UMA		+33 22 02.56	-0.0022		3,490		4.890		6.440		KSIII		62486	D	
4832	53 XI UMA		+31 48 38 88 C	-0.0339		3.790		4.380		4,430		GOV+GOV		62484	D	
4833	1 OMI UMA		+60 53 14+56	-0.0180		3.360			1	4.730 6.33		G5III GOV		14573 14609	DV?	1
4834 4835	3 PI - 1 UMA 4 PI - 2 UMA		+65 11 44.92 +64 30 16.82	-0.0039 -0.0081	.,		2	6.26 5.78	2		2	K2111		14616	ŀ	
4836	4 PI = 2 UMA B RHO UMA		+67 49 35.21	-0.0036			2	6.29	2		2	GM3		14742		
4837	11 SIG- 1 UMA		+67 04 33 26	-0.0030		5.17	-	012	-	0.17	_	KSIII		14769		1
483 ₈	13 SIG- 2 UMA	09 06 01.131		-0.0034			2	5.30	2	5,32	2	F7IV-V		14788	DV3	1
4839	14 TAU UMA	09 06 49.121		+0.0149		4.67	2	5.02	2		2	АМ		14796	Ď	1
4840	29 UPS UMA		+59 16 30 31	-0.0382		3.810		4.100		4.190		F2IV		27401	Ďν	1
4841	30 PHI UMA		+54 17 56 - 59 L	-0.0006		4.60	2		2		2	A3S	1	27408	D	1
4842	63 CHI UMA	11 43 25.030		-0.0138		3.720			1	6.060		KOIII		43886	٧? -	
4843	52 PSI UMA		+44 46 12.60	-0.0064		3.010			1	5.270		KIIII]	43629	ļ. ·	1
4844	45 OME UMA		+43 27 23.96	+0.0041		4+71	2	4.66	2		2	A1V		43512		
4845	2 UMI	01 01 30.792	+85 59 24 27	+0.0773	-0.006	4 • 26	2	5.47	2	6.80	2	K2III		181		16
4846	3 UMI		+74 49 49.51	-0.0162		6+33				A1 1		A3		7953		1
4847	4 UMI		+77 46 56.76	-0.0108		4 • 87						K3III	100	7958		
4848	5 UMI		+75 55 05•75	+0.0012			2	5.69	2	7.39	2	K4III		8024	D .	
4849	6 UMI		+72 10 28.52	-0.0081		7.40	4					A5	4	8081		1
4850	9 UMI	15 00 21.995	+71 57 39·09	-0.0872	+0.091	6 • 66	4				1	GO	4	8140		1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR LESIGNATION		DECLINATION F DEG MN SEC N	N	RA DEC PM PM	VISUAL MAG.	Ŋ	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G 1.
4851	17 U _M I	15 56 10.522	+75 43 05.22		+0.0014 -0.016	6.94	4					G5	4	8376	1	
4852	18 U _M I	16 05 08.302	+76 55 40 • 90	-	-0.0080 +0.015	5+53						A0		8417	100	
4853	19 U _N I	16 12 13.173		- 1	-0.0019 +0.012	5.48	. ,	5.330				B8		8446		1
4854	20 UMI	16 13 45.917			-0.0123 +0.033	6.35						GK3		8452		
4855	24 UMI	17 49 12.248	+86 59 31.94		+0.0694 +0.003	5.79	2	6.04	2	6.11	2	A M		2940	1.	1
4856	S UMI	15 31 28.217		- 1	-0.0011 -0.040	9.4	6				1			8267	٧	1
4857	V UMI	13 37 46.654	+74 33 48 46		+0.0019 +0.008	7.7	6					M4	7	7859	V .	1
4858	W UMI		+86 19 22-57		-0.0103 +0.010	8.7	6					AO	6	2692	V	
4859	KR UMI		+66 07 52 18	- 1	-0.0139 +0.027	4.59	2	6.18	2		2	GM5		16558	V	
4860	1 ALP UMI		+89 01 43.73		+0.1811 -0.004	2.020	1	2.620	1	3.000	1	FBIB	1	308	עת	
4861	7 BET UMI		+74 21 35-57		-0.0086 +0.010	2.080	1	3.550	1	5.320	1	K4III		8102	٧?	1
4862	11 GAM- 1 UMI		+72 00 19.07		+0.0003 +0.009	5.00		100				K4III		8207		1
4863	13 GAM- 2 UMI		+72 00 42.97		-0.0051 +0.019	3.050	1	3.100	1	3.210	1	A3II-III		8220	٧?	1
4864	23 DEL UMI		+86 36 34 - 78	Į	+0.0107 +0.054	4.36	2	4.38	2	4.41	2	A1V		2937	1	1
4865	22 EPS UMI		+82 07 21.53		+0.0052 +0.003	4.23	2	5.13	2	5.68	2	G5111		2770	ָ עמ	1
4866	16 ZET UMI		+77 56 57 09		+0.0045 -0.003	4.32	2	4.36	2	4,41	2	A3V		8328	۸.5	1
4867	21 ETA UMI		+75 52 16 64		-0.0232 +0.250	4.97						DA8		8470	l	1
4868	15 THE UMI		+77 30 59.57		-0.0164 +0.009	5.14			ļ			KSIII		8274	ł	i
4869	LAM UMI		+89 03 03.50		-0.1072 +0.001	6.38	2	7.95	2	9.74	2.	MITII		3020]	1
4870	PI - 1 UMI		+80 36 57.35		-0.0944 +0.115	6.58	2	7.25	2	7.38	2	GOIV-V		2556	D.	1
4871	PI - 2 UMI		+80 37 02.33		-0.0862 +0.105	8.6	4	14	1 :		ŀ	G5	4	2558	וי	i
487	A VEL		-47 45 40.37	- 1	-0.0016 -0.002	5.33	2	5.19	2			B5N		219985	ח	1
4873	-A VEL		-45 51 28.35		-0.0007 -0.002	3.910	1	3.910	1	3,860	1	AOIII		220422		
4874	B VEL		-48 19 44.43		-0.0018 +0.007	4.82	2	4.67	2	3.83	2	B1V		219848	D.	1
4875	-B VEL		-46 28 12.11		-0.0004 +0.002	3.830	1	4.530	1	4.810	1	F2TA		220265	D	1
4876	C VEL		-49 46 16.11	- 4	+0.0004 +0.017	5.01	2	6.34	2	7.72	2	CG7	1	220138		
4877	-c vel		-46 53 52.51		-0.0050 -0.016	3.750		4.950	1	6.160	1	K2III		220803		- [
4878	D VEL		-49 38 28 34	.	+0.0025 +0.000	5.16	2	4.96	2	3.94	2	BOVN		220361		1
4879	-D VEL		-42 28 02.22		-0.0017 +0.016	4.07	2	4.94	2	5.46	2	\$GG5	1	220371	n	1
4880	E VEL		-50 47 43.88		-0.0008 -0.005	5 • 80	2	5.67	2			B9SI		236110		1
4881	-E VEL		-42 48 47.89		-0.0011 +0.005	4.14	2	4.24	2	4.37	2	A9II	100	220204		1
4882	F VEL		-52 55 20.63		-0.0078 +0.012	5.09	2	5.34	2			DF3		236002		
4883	-F VEL		-46 20 28.98		-0.0006 -0.003	5.10	2	4.89	2	3,91	2	BOIII		220561	D	1
4884	-G VEL		-45 07 15.27		+0.0003 +0.014	5.02						A2		220540		
4885	H VEL		-52 31 50 25		-0.0003 +0.006	4.690	1	4,565	1	4.095	1	B5V	l	236417	D	1
4886	-H VEL		-40 07 59.83		-0.0013 -0.017	5.49	2	5.55	2			A2		220531		1
4887	I- 1 VEL		-55 47 26.91	- 0	-0.0019 +0.001	4.505		4.375	1	3.805	1	B3IV		237959	ס	
4888	I- 2 VEL		-55 47 27.78		-0.0041 +0.009	8.7	4							237960	D	
4889	-I VEL		-41 57 26.45		+0.0019 -0.002	4.39	2	4.50	2	4.62	2	VISA		222487		
4890	J VEL		-53 09 41.95		-0.0011 -0.001	5.11	2	5.00	2		l.	B5N		236972		
4891	K VEL		-50 50 23.77		-0.0028 +0.006	5.26	2	5.18	2			B9		236824		
4892	-K- 1 VEL		-37 23 37.51		+0.0004 -0.016	5.86	2		2			GO	1	200152		1.
4893	-K- 2 VEL		-37 12 14.18		+0.0017 -0.013	4.62	2		2	5.17	2	F5III		200163	ם	
4894	L VEL		-51 01 56 19		-0.0016 -0.017	5.01	2	4.82	2		1 .	B3		237107	1	1 -
4895	-L VEL		-38 21 38 67		-0.0060 -0.011	4.94	2	6.05	2	7.11	2	GK0	1	200159		
4896	M VEL		-49 07 49.16		-0.0113 +0.025	4 • 35	2	4.52	2	4.64	2	DA5		221344	D.	1
4897	-M VEL		-46 18 45-25	1 1	-0.0013 -0.003	4.58	2	5.78	2	6.77	2	GG4	1	221553		1
4898	N VEL		-56 48 47.60		-0.0042 -0.001	3.140		4.690		6.570	1	KSIII	1	237067	V	
4899	-N VEL		-47 08 16.20	١.	-0.0017 +0.006	4.77	2	4.89	2		2	ASII		220284		
4900	O VEL	09 42 00 250		100	-0.0079 +0.020	5.56	2	5.52	2	1	1 .	AOV	1	237268	1	4

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	> 2		202		U N.	SPECTRAL CLASS	5 N	SAN CAT.NO.	STAR PROP.	1
4901	-P VEL	10 35 11.696	-47 57 55.69		-0.0158	-0.020	3.840	1	4.140	1	4,210	1	F2+A3		222199	D	T
4902	G VEL	10 07 02.305	-51 33 55.33		-0.0013		4.860		4.740		3.960		B2V		237736		1
4903	-a VEL	10 12 37.998	-41 52 25.23	[-0.0134	+0.038	3.850	1	3.900		3.980		AZV		221895		1
4904	R VEL		-51 56 38.00	1	-0.0076	+0.013	6.76			-		ļ .	GG9		237690	W	
4905	÷R VEL	10 20 10.666	-41 23 52.28	١.	-0.0026	+0.051	4 - 83	2	5.95	2	7.04	2	KILLL		22199A	1/2	1
4906	S VEL	09 31 19.973	-44 59 10.84		-0.0041	+0.017	7.8	4:		7.			An	lı.	221270	V	1
4907	-S- 1 VEL		-44 48 42.95	1	-0.0017		6.101	2	5.951	2		1	ве		222125	ה '	1
4906	-5- 2 VEL		-44 48 32.64	l	-0.0005				5,602				88	l	222126	ő	1
4909	T VEL		-47 11 10.22	1	+0.0037		7.7	4	8.44	7		1	G5	4	220208	v	1
4910	-T VEL		-46 44 43.18	1	-0.0014			2		2			K4111	"	222136	n, v	1
4911	U VEL		-45 17 33.97		-0.0021		8.1	4		-	1.00		MR	4	221290	v	
4912	-U VFL		-45 29 55.44	l	-0.0030			2	4.98	2		į.	B7	1 7	221523	ח	1
4913	V VEL		-55 44 47.01	1	+0.0010		7.5	4	8.00	7			65		236893	ľv	
4914	-w VEL		-41 03 29.79	1	-0.0038			2	5.10	ź	5,48	2	FBTII	"	220730	٧?	1
4915	X VEL		-41 20 59.23	1	-0.0011		9.5	4	J.10	٦	2.40	٦.	NB	<u> </u>	221606	V	1
4916	-x- 1 VEL		-55 20 32.70		-0.0027			2	5,32	2	6 07	2	GZII	"	238309	٥	ı
4917			-55 20 46.23	ŀ					0.32	-	6.07	ج	1	١.,			
4918				١.	-0.0027		6.62	4	0			۱,	B8	4	238313	מ	
			-42 57 52 13		+0.0022			2	6.50	2		2	GG6		221355		1
4919	-2- 1 VEL		-43 01 10.42		-0.0025			2	5.11	2	4.55	2	B5VN	1	220978	D	1
4920	-Z- 2 VEL		-56 29 35.34		-0.0019		5 • 26	7	5.18	2			B8	1	238468		1
4921	AA VEL		-56 08 41.96		-0.0014		10.1				1 1 1		B 5	6	238531	, V.	L
4922	AC VEL		-56 33 56 09		+0.0004			7			-		88	6	238458	V	
4923	AH VEL		-46 29 36.76		-0.0006		5.50		6.100	l i			F8P		2195A7	V	1
4924	AI VEL	08 12 26.223		1	+0.0036		- "	4					Fo	. 4	219641	V.	ı
4925	AL VEL		-47 29 46 60		-0.0024		9.0	6	9.87	7.		ľ	l	1	220040	V	ı
4926	AO V <u>e</u> l		-48 35 43.69		-0.0021			6	45.73.73				B9	- 6	219585	٧	1
4927	AS VEL		-38 48 19.20		-0.0037			7		4			A3	6	199271	٧	1
4928	AX VEL		-47 32 56 46		-0.0018		8.6	6	9.16	7			F8	6	219549	٧	-1
4929	BG VEL	09 06 39.122	-51 13 59.96		-0.0008	-0.007	7.5	6	8.56	7			G 5	6	236640	V	1
4930	CM VEL	10 05 41.390	-53 00 54.89		-0.0016	-0.015	7.8	6	100		1.		MA	6	237711	V	1
4931	CV VEL	08 59 03.648	-51 21 31.73		-0.0012	-0.001	6.72	4		1	k		B3	4	236495	V ·	ı
4932	CW VEL	09 00 49.215	-52 38 36.08		-0.0015	-0.011	9.5	7			4		B9	6	236527	v	1
4933	FY VEL	08 30 51.384	-49 25 50 11		-0.0015	-0.016	7.00	4	7.19	7	6.49	7	BZIBPE	7	220069	V	1
4934	FZ VEL	UB 57 10.346	-47 02 24.93		-0.0090			2		2			FOIII	`	220717	עמ	
4935	GG VEL	09 10 58.303	-43 16 52 18		-0.0010	-0.007		6					AO	6	220955	Ĩν	1
4936	GI VEL	09 23 10.048	-45 09 35.20		-0.0017	-0.019	8 • 1	6	9.76	7			MB	6	221144	V ·	1
4937	GK VEL	09 23 14.783		ŀ	-0.0026		6.45	4		7	9.65	7	M5III	7	221146	ν	
4936	GL VEL		-53 17 49.95		-0.0015			6					MB	6	236983	ν	1
4939	RY VEL		-55 04 08.79		+0.0007			7	8.97	7			К2	6	237949	v	1
4940	RZ VEL		-43 56 21 35	Ī	-0.0018		7.5	4		7			KO	4	220186	v	
4941	SW VEL	08 41 59.784			-0.0038		8.8	4	9.52	7		1.1	K2	4	220356	ľ	1
4942	SX VEL		-46 09 37.12		-0.0008			4	9.24	7		, n.	G5	4	2203AB	v	1
4943	SŶ VEL		-43 34 15.85		-0.0023			7	7.2.4		10.0	i .	MB	6	220949	v	1
4944	TU VEL	10 16 30 820			-0.0054		9.3	6					GO	6	221949	v.	1
4945	WY VEL		-52 21 00.92		-0.0005			7					MA	6	236888	v	1
4946	WZ VEL	10 15 31.820		1	-0.0022		1	6					MB			V	I
4947									0.63	ا ر				6	221936		1
	GAM- 1 VEL	08 07 56.809			-0.0009			2		2			B3N		219501	D	1
4948	GAM- 2 VEL	08 07 59.465			-0.0006		1.830		1.580		0.640		C 7+07?		219514	DAS	1
4949	DEL VEL		-54 31 28 26		+0.0025		1.960		2.000		2.070		AOV		236232	D	
4950	KAP VEL	09 20 33.853	1-54 47 47.30	ľ	-0.0009	+0.008	2.500	1 1	2.320	1 1	1,570	1	l B2IV		236891		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR CESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA DEC PM PM	VISUAL MAG.	> 2	BLUE MAG.	B N	UV MLG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	
4951	LAM VEL	n9 06 09.310	-43 13 47.60		-0.0020 +0.012	2.210	1	3.860	1	5.670	1	KSIA		220878	יאָת	T
4952	MU VEL		-49 09 19.66		+0.0072 -0.050	2.690		3.590		4.160		GSIII		222321	0	ł
4953	OMI VEL		-52 44 37.10		-0.0022 +0.019	3.600		3.420		2.800		B3111		236164	v	1
4954	PHI VEL		-54 19 44.85		-0.0014 +0.005	3.540		3.460		2.830		B511		237522	ם	I
4955	PSI VEL		-40 14 49.28	c	-0.0165 +0.069	3.600		3.960		3.890		F2IV		221234	ÖV?	1
4956	IG VIR		+02 10 42.92	1	+0.0028 -0.183	5.95	2	7.07	2	8.20	2	GK3	1	119245		١
4957	11 VÎR		+06 05 05.82		-0.0108 +0.016	5.73	2	6.08	2	6.25	2	AM		119249		ı
4958	12 VIR		+10 32 25.23		-0.0065 -0.019	5.79	-	6.060		0,00	Ĭ _	AM	1	99997		١
4959	13 VIR		-00 30 33.74		+0.0017 -0.020	5.90	2	6.07	2	6.20	2	A3		138710		1
496u	14 VIR		-08 38 12.56		+0.0000 -0.027	7.03	4	0.0	-	0.20	-	κο	4	138716	מ	1
4961	17 VIR		+05 35 00 · C8		-0.0113 -0.057	6.40	2	7.00	2	7.08	2	DF7	1 7	119360	n	Ì
4962	20 V1R		+10 34 16.70	1	-0.0038 -0.001	6.34	-	, • 00	-	7.00	٦	G67	ŀ	100146		1
4963	27 VIR		+10 42 01.54		-0.0075 +0.000	6.30					l	A5		100207	V?	1
4964	28 VIR		-07 13 32.04		+0.0006 -0.046	7.21	4				1	l K5	L	138920	١,٠	
4965	33 VIR		+09 49 08.75		+0.0186 -0.450	5.67	2	6.66	2	7.40	2	KIIV		119580		
4966	34 VIR		+12 13 52.05		+0.0028 -0.023	6.05	-	0.00	-	7.40	-	A3		100260	1	
4967	35 VIR		+03 50 43.38	1	-0.0006 -0.007	6.41	2	8.01	2	9.83	2	GM4		119596		
4968	37 VIR		+03 19 41.53	ľ	-0.0025 +0.016	3.89	2	3.75	2	3.18	2	GK4		119633		
4969	38 VIR		-03 16 54-20	100	-0.0174 -0.006	6.11	2	6.61	2	6.65	2	DF6	1 .	139022		
497u	41 VIR		+12 41 23.78		+0.0034 -0.029	6.25	2	6.52	2	6.57	2	AM		100302		
4971	46 VIR		-03 06 00.31		-0.0019 +0.046	5.99	2	7.11	2	8.20	2	GK2		139096	0	
4972	48 VIR		-03 23 40.75		-0.0026 -0.040	6.59	2	6.88	2	6.99	2	A7N		139131	ń	
4973	49 VIR		-10 28 24.61		+0.0009 -0.012	5.19	2	6.33	2	7.45	2	KIIII		157739	1	
4974	50 VIR		-10 03 47.22		-0.0008 -0.018	5.94	2	7.43	2	9.12	2	GK5	1	157760	V>	
4975	53 VIR		-15 55 45.72		+0.0065 -0.292	5.04	2	5.50	2	5.52	2	F6IV		157788		
4976	54 A VIR		-18 33 42.09		-0.0016 -0.022	6.8	4	3.30	-	5.52	٦.	An		157798	D	
4977	54 B VIR		-18 33 36.70		-0.0020 -0.015	7.3	4	1 44 2				[^'''	1	157709	'n	
4978	55 VIR		-19 40 n7 08		-0.0028 +0.162	5.63						DG6	1	157806	''	
4979	56 VIR		-10 06 20 · 17	1	-0.0023 -0.054	7.21	4	3.4				K5	4	157811		
4980	57 VIR		-19 40 39.95		+0.0215 =0.121	5.22	2	6.26	2			KIIV	"	157823		
4981	58 VIR		-10 17 00 19		-0.0057 +0.009	7.22	4	0.20	-				4	157837	ŀ	
4982	61 VIR		-18 02 01.31	١	-0.0754 -1.072	4.740		5,450	١, ١	5.710		F0 G6V	4	157844		
4983	62 VIR		-11 02 31.04		-0.0085 -0.015	6.81	4	3,430	*	5,110	1	KO	LL.	157869	1	
4984			-17 28 26.35	1, 1	-0.0035 -0.034	5.45	7						4	157899	V?	
4985			+05 24 59.08		-0.0045 -0.040		2	E 00	٦	6 00	١,	KOIII A M	1		\ v.	
4986	64 VIR 65 VIR		-04 39 48.26		-0.0014 -0.020	5.87 5.89	2 2	5.99 7.32	2	6.09 8.98	2	GK3	1	119905 139308		
4987	66 VIR		-04 54 11.82		+0.0104 -0.035	5.76	-	1.36		0.70	-	DF3		139324		
4988			-15 42 53 55		-0.0085 +0.019	4.75	ارا	5.85	ا م	6 01	٦	K1III		157946	Λ3	
4989	69 V1R 70 V1R		+14 02 42.77		-0.0164 -0.581	4.98	2	5.69	2	6.91 5.95	2	G5V		100582	V.	
4990	71 VIR		+11 04 36.69		-0.0042 -0.044	5.68	-	3.03	-	3,73	۲.	GG9		100592	1	
4991	73 V ₁ R		-18 28 18.39		-0.0069 -0.019	5.93						A4M		157987	D	
4992	75 VIR		-15 06 23·40		-0.0053 -0.007	5.65						GK2	1 1	157998	17	
4993			-07 21 59.21		-0.0052 -0.001	7.08	4				l		4	139407		į
4994	77 V1R				+0.0009 +0.079		2	6 60	ا ۾ ا	7 17	ا ،	FO GETTY	4	139417	1	
	80 V1R		-05 08 31 82			5.73	4	6.68	2	7.33	2	GGIII	4	139447	מ	Ì
4995 4996	81 VIR 83 VIR		-07 37 02 · 04 -15 55 42 · 06	1	+0.0008 -0.004	7•11 5•60	2	6.41	ا ما	6 00	,	K2 GOII	4	158131	עו	ļ
							2		2	6.82	2				חנים	
4997	84 VIR		+03 47 25 06		-0.0196 -0.074	5.37	-	6.47	2	7.52	۱۲.	KZIII		120082	٤٧d	-
4998	85 VIR		-15 31 01.28		-0.0033 -0.029	6.15	14 L					A0		158147		
4999	86 VIR		-12 10 36 19		-0.0014 +0.002	5.82	اہا		ا ً ا		_	GG7		158152	ס	Ì
500u	87 VIR	13 44 41 863	-17 36 37 17		+0.0039 -0.039	5.44	2	7.05	2	8.98	2	MITII		158165		ı

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATION

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N N		B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	
5001	68 VIR	13 45 40.815	-06 35 18.80	-0.0027	-0.021	6.59	4					КО	4	139559		Τ
5002	89 VIR	13 47 08.966	-17 53 09.12	-0.0071	-0.041	5.11					٠.	Kill		158186		
5003	92 VIR	13 53 54 861	+01 17 39 69	-0.0019	+0.010	5.91	2	6.11	2	6,25	2	A3		120185		1
5004	94 VIR		-08 39 13.93	-0.0001	+0.017	6 • 56	4				1 .	AO	4	139732		1
5005	95 VIR	14 04 03.906	-09 04 32.68	-0.0096	+0.006	5.46	2	5.80	2			ABN	•	139736		
5006	96 VIR	14 06 20.481	-10 05 54.66	-0.0006	+0.020	6.48						GG7		158385		
5007	97 VIR	14 09 53.309	-09 39 57.37	+0.0026	-0.024	7.29	4					FO	4	139785	<u>'</u>	
5008	103 V ₁ R	14 19 23,719	-01 45 37.73	-0.0046		6.75	4				. :	A2	14	139890		ı
5009	104 VIR	14 24 46.655	-05 53 44.69	-0.0050	-0.062	6.16						A1	1	139942	2.5	1
5010	106 VIR	14 26 03.238	-06 40 37.20	-0.0014	-0.059	5.74	1.4	4.4		1.0		GK5		139957		1.
5011	108 VIR	14 42 57.203	+00 55 38+42	-0.0027	-0.010	5.47		5.440				В9		120642		П
5012	109 VIR	14 43 43.083	+02 06 08.97	-0.0076		3.730	1	3.720	1	3.690	1	AOV		120648		1
5013	110 VIR	15 00 22.276	+02 17 11.29	-0.0037		4.40	2	5.44	2		2	KOTII		120809		
5014	4 A-1 VIR		+08 31 25.26	-0.0040			2		2		2	A1		119058		
5015	6 A-2 VIR		+08 43 19.27	-0.0020		5.58	ē.		2		2	GKO	ŀ	119111	i '	
5016	7 -B VIR		+03 56 01.03	-0.0014		5.37	2		2		2	A1	1	119156		
5017	16 -C VIR		+03 35 27.07	-0.0196		4.96	2		2		2	Killl		119341	V2	1
5018	31 -D- 1 VIR		+07 04 50 99	-0.0047		5.59	2		2		2	B9		119538	ח	1
5019	32 -D- 2 VIR		+07 56 47.16	-0.0074		5.22	2		2		2	AM		119574		
5020	59 -E VIR		+09 41 05.64	-0.0227		5.22	2	5.80	5		2	FeV		119847	n	1
5021	25 -F VIR		-05 33 23.59	-0.0022		5.99	٦	3.60	-	3.69	-	AO			17	1
5022	-G VIR		-08 43 01.10	-0.0025		5.55	2	6.73	1	7 04	١			138873		1
5023	76 -H VIR		-09 54 28 93	-0.0023		5.21	2	6.17	2	7.91 6.77	2	GK3		139175		1
5024	68 -I VIR		-12 26 53.17	-0.0092		5.26	2		2	0.77	2	KOIII		139401		ı
5025	44 -K VIR	12 57 04.803		-0.0027		5.79		5.97				MOIII		157938	\ \s	1
5026	72 -L- 1 VIR		-06 12 45.99	+0.0026			2	3,97	2	6.05	2	AZ		139086	D.	
5027	74 -L- 2 VIR		-05 59 53.73	-0.0069		6.07		6 00			_	A5		139370	DV?	ı
5028	82 -M VIR		-08 27 05.13	-0.0067		4.69	2	6.29	2	8.25	2	GM3		139390	1997	1
5029					1	5 • 16	_ [,				M2III		139490		1
5030	•		+03 54 54 36	+0.0028		4.94	2		2	4.96	2	A2P	2	120004	V	1
5031			-01 15 28 42	-0.0055			2		2		2	K2III	1 1	139613		1
	l'	12 31 11.720		-0.0057		5.48	2	5.45	2	5.35	2	A0		138845		
5032 5033	R VIR	12 35 57.669		-0.0019		6.2	. 1					GM4E		119509	V	
5034		13 30 23.507		+0.0031		6.0	.					GM7E		139403	V	1
5035		12 12 02.572		-0.0002		8.2	4					M6E	4	138666	V	1
5036	7	12 48 33.491		-0.0000		7.7	4					M4E	4	119627	V	
			-02 54 50 81	+0.0005		8.0	4.1		_		1.0	M3E	4	139350	٧	
5037	W VIR	13 23 26.923		+0.0005		9.5	4	10.03	7			G0	4	139335	V.	1
5038	-Y VIR		-12 57 31.06	-0.0033		5.81	_		l I	10 July 1		A1P		158021	DV?	1
5039	Z VIR		-13 04 08.37	+0.0098		9.9	7							158394	V	1
5040	AG VIR		+13 17 13 13	-0.0006		8.7	6	8.97	7		[]	A0	6	99908	٧	1
5041	AH VIR	12 11 47.864		+0.0015			6					K0	6	100003	V	1
5042	AL VIR	14 08 26.833		-0.0036			6	9.40	7	1 1		F5	6	158416	V	
5043	AN VIR	14 15 16.853		-0.0006			6					M5	6	158473	V.	
5044	AY VIR		-03 25 45.76	+0.0001			6					MB	6	139594	V	
5045	BD VIR	13 23 59.767		-0.0011			6					A5	6	157936	V	
5046	BF VIR	13 45 18.572		+0.0002		9.2	6		ĺ			AO	6	139552	V	1
5047	BG VIR		+05 05 38.63	+0.0002	+0.002	9•0	6	- 1			11	MB	6	120658	V	1
5048	BK VIR	12 27 48.073		-0.0043	-0.021	8.2	6		' I			MC	6	119433	٧	1
5049	CE VIR	13 46 42.444	-01 40 52.00	-0.0045	+0.001	8.8	6		. [200		К2	6	139574	v	1
5050	CH VIR	12 17 46.864		-0.0014		9.0	6		,			MC	-	138725	v	ı

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATI	ON	RT HR		SEC			ATION SEC	P N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N	MAG.	U N	SPECTRAL CLASS	5 N	SAO CAT-NO.	STAR PROP.	
5051	CI	VíR	12	30 3	35.751	+07	31	33.42		+0.0006	-0.023	9.2	6	1.				MC	6	119463	V	Τ
5052	CN	VIR						46.77	1	+0.0004	-0.016	8.4	6					MA	6	119600	V	1
5053	со	VIR						08-69	1	-0.0025		8.9	6				ŀ	MB	6	119746	V	1
5054	CP	VIR						06.19	1	-0.0017		8.8	6		4			MB	6	120191	V	١
5055	Ċū	VIR						14.44	1	-0.0005		9.3	6	A	9.50	1000		K	-6	120410	V	
5056	cs	VIR						07.67	1	-0.0045		5.89		5.900				AP		158481	V	Į
5057	cu	VIR						38.06		-0.0034		5.02	2	4.90	2	4.46	2	ASI		120339	יער	1
5058	ČW		= 78				-	30.00	1			- 3	-				ļ —		13.			1
5059	DK	VIR				-01	0.7	34.94	1	-0.0037	-0.017	6.49	1.4	6.79	7			F0		139254	V	- 1
5060	DL	VIR						45.03		-0.0032		7.0	6							158210	V	
5061	DM	VIR						54.12		-0.0018		8.9	6					F5	6	158369	v	1
	DN	VIR						38.68		-0.0009		8.7	6					МВ	6	158411	V	
5062 5063	EP EP	VIR						27.05		+0.0022		6.35	ا ا	6.29				A4P	7	119585	v	1
		VIR						06.74		-0.0186		9.0	6					K7VE	7	139419	y	J
5064 5065	EQ ER	VIR						00.77		-0.0008		6.69	4					MB	6	158357	l v	
	ËŠ							31.27		-0.0013		8.2	6					MP	6	139753	V	1
5066		VIR								+0.0002		4.91	٦	6.61				GM3		158401	v	. 1
5067	ET	VIR						00.12		-0.0014		9.0	6	0,01		h.		M4	6	158421	v	-1
5068	EU	VIR						42.77		-0.0032		7.18	4	100	10.0			MB	6	158431	y.	- 1
5069	EV	VIR						33.62		+0.0012		8.7	6		L.			M5	6	158492	ĺ v	-1
5070	ΕY	VIR						06.70		+0.0000		8.3	6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100		M1	6	158504	v	-1
5071	EZ	VIR						49.46		-0.0024		7.01	4	7.00	7			AZP	7	120452	v	- [
5072	FF	VIR						03.86		-0.0056		6.54	4	1.00	ľ			A5	6	138664	DV	١
5073	FG	VIR						24 • 64		-0.0014		7.22	ŭ.	8.76	7	10.26	7	MEIII	7	119843	v	- 1
5074	FH	VIR						08 • 32					6	8.70	1	10.20	'	MAP	6	119734	V	- 1
5075	RT	VIR						15.23		+0.0014		8.2	4	10 N	1			MB	4	138594	v	1
5076	RW	VIR						14.88		-0.0013		7.0	6				ı	KO	7	138566	l v	- 1
5077	RX	VIR						41.55		-0.0023		8.7	6		1			M2	6	158092	v	
5078	RY	VIR						02.93		-0.0035		8.0 7.9	6		1			MTILI	7	139236	ĺ	
5079	SW	VIR						32.59				8.0	6	9.27	7		l	K2	6	138451	Ιν	
5080	ΙΥ	VIR						00.24		-0.0017			6	7.21	* ·				6	119203	v	- 1
5081	TZ	VIR						52 - 85		+0.0005		9.0			1		1	MA		157818	V	1
5082	UW	VIR						25.58		-0.0068		9.1	6					A2 A3	6		ľ]
5083	UY	VIR						19.44		+0.0006		7.8	6	0 700	١.		١.	B1V	6	157664 157923	v	1
5084	67 ALP	VIR						03.36		-0.0029		970				-0.200		F8V		119076	l *	١
5085	5 BET	VIR						47.61			-0.275	3.600		4.150		4.260					DV?	1
5086	29 GAM	VIR						31.58			+0.008	2.740		3,100 4,970		3.070		FOV+FOV	1.2	138917 119674	04.	٠Į
5087	43 DEL	VIR						07.60			-0.058	3.380				6.760		M3III G9II-III		100384	V?	1
5088	47 EPS	VIR						38.90		-0.0187		2.840		3.780		4.520			1.7			- [
5089	79 ZET	VIR						27.51		-0.0191		3.380		3.500		3.580		ASVM		139420	V?	.]
5090	15 ETA	VIR						20.65		-0.0043		3.900		3.920		3.990	15	A2V		138721	0	- 1
5091	51 THE	VIR						21.11		-0.0023		4.38	2	4.37	2	4.38	2	A1V	ŀ		V?	1
5092	99 IOT	VIR						46.18		-0.0006		4.09	2	4.60	2		2	F7IV		139824	"	1
5093	98 KAP	VIR						30.80		+0.0004		4 • 21	2	5.53	2	7.00	2	KSIII		158427 158489	V2	- [
5094	100 LAM	VIR						30.89		-0.0013		4.52	2	4.65	2	4.74	2	A M			ا ا	1
5095	107 MU	VIR						30.92		+0.0070		3.880		4.260		4.250		F3IV		140090	1	1
5096	3 NU	VIR	1					34.72			-0.187	4.040		5.540		7.320		MIIII		119035		- 1
5097	2 XI	VIR	1					10.50		+0.0040		4 • 85	2	5.03	2		2	A4		119029		-1
5098	9 OMI	VIR						38.34			+0.043	4.12	2	5.11	2		2	GBIII		119213		- 1
5099	8 PI	VIR	1					35.14			-0.034	4 • 67	2	4.80	2	4.90	2	A4V		119164	1	1
5100	30 RH0	VIR	12	39	21.18	+10	30	39.16	1	+0.0057	-0.095	4.88	2	4.97	2	5.00	2	AOV	1	100211		1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATION

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	\$ N	SAO CAT.NO.	STAR PROP.	1
5101	60 SIG VIR	13 15 04.685	+05 43 57+99		-0.0005	+0.011	4.81	2	6.48	2	8.43	2	GM2		119855	100	
5102	93 TAU VIR		+01 47 08.46		+0.0011	-0.025	4.26	2	4.36	2	4.49	2	ASIII		120238	D	
5103	102 UPS VIR	14 16 57.685	-02 02 06.82		-0.0080	-0.072	5.24						GBIII		139866	V?	1
5104	105 PHI VIR		-02 00 17.26		-0.0094	-0.005	4.82	2	5.56	2	5.77	2	GZIII		139951	יאט.	1
5105	26 CHI VIR	12 36 39.749	-07 43 14.48		-0.0053	-0.031	4.67	2	5.89	2	7.25	2	KZIII	1	138892	1	1
5106	40 PSI VIR	12 51 44.944	-09 16 03.92		-0.0019	-0.020	4 - 80	2	6.39	2	7.94	2	M3III		139033	V	
5107	1 OME VIR	11 35 52.896	+08 24 40.36		-0.0007	+0.002	5.37	2	6.94	2	8.44		M4.5111	7	118965	V	
5108	ALP VOL	09 01 39.796	-66 11 46.16		+0.0007	-0.102	4.005	1	4.155	1	4.295	1	A5V		250422		1
5109	BET VOL	08 25 11.955	-65 58 11.00	1	-0.0052	-0.161	3.770		4.900		6.030		K2III		250228	.V?	1
5 11 0	GAM- 1 VOL		-70 24 57.88		+0.0017		5.718		6.628		7.238		DF4	1	256373	DV?	1
5111	GAM- 2 VOL	07 09 10.804	-70 25 04.75		+0.0052	+0.102	3.778	1	4.688	1	5.298		GBIII		256374	DV?	1
5112	DEL VOL	07 16 51.659	-67 51 56.77		-0.0011	-0.004	3.980	1	4.850	1	5.210	1	FBII	1	249809		
5113	EPS Vol	08 07 46 613	-68 28 12.52		-0.0042	+0.021	4.350	1	4.230	1	3.770	1	85111		250128	ח	1
5114	ZET VOL	07 42 26.985	-72 29 10.68		+0.0068	+0.016	3.940	1	4.980	1	5.820	1	KOIII	1 .	256438	ס	
5115	ETA VOL	08 22 32.621	-73 14 18.99		-0.0058	+0.011	5-29	2	5.30	2		2	A1		256505	D	1
5116	THE VOL	UB 38 54.785	-70 12 29.53		+0.0040	-0.048	5.20	2	5.21	2	5.18	2	A0		256535	D	1
5117	IOT VOL	06 52 01.688	-70 54 05.41		+0.0003	+0.018	5.40	2	5.29	2	4.91	2	B6IV		256344	1 7 1	
5118	KAP- 1 VOL	08 19 58.562	-71 21 20.90		-0.0020	+0.026	5.37	2	5.31	2	5.00	2	B9		256497	י	1
5119	KAP- 2 VOL	08 20 09.985	-71 20 45 60		-0.0010	+0.040	5.65	2	5.55	2	5.24	2	AP		256499	D	1
5120	1 VUL	19 14 03.973	+21 18 03-13		-0.0004	-0.001	4 • 77	2	4.73	2	4.18	2	BSIV	l .	87010	DV?	
5121	3 V _U L	19 20 47 905	+26 09 54 85		-0.0002	-0.008	5.18	2	5.06	2	4.53	2	B6III		87136	٧?	ı
5122	¥ V∪L		+19 41 57.23		+0.0066	-0.063	5.19		6.160				KOIII		104818	ŋ	1
5123	5 VUL		+19 59 49.81		+0.0001	-0.034	5.63		5.580				AOV	1	104831	1.	
5124	7 VuL	19 27 09.914	+20 10 31.11		-0.0000	-0.019	6.34		6.230			į.	B5V		87269		1
5125	8 VUL	19 26 51.753			-0.0001	+0.016	5.83					1	666]	87267		1
5126	9 V _U L		+19 39 46.38		+0.0005	+0.003	4.99	2	4.92	2	4.49	2	B7V	l .	104990	ס	1
5127	10 VUL		+25 39 03.92		+0.0008	+0.022	5.34	l	- 40			1.	GSIII	ł	A7633	1	İ
5126	12 VUL	19 48 54.839	+22 28 53.99		+0.0015	-0.017	4.96	2	4.84	2	4.15	2	B3VE		87813		1
5129	13 V∪L		+23 56 52.78	1.	+0.0019		4.58	2	4.52	2	4.39	2	AOIII		87883	מ	1
5130	14 VUL		+22 57 50.35		-0.0052	+0.009	5.63	1		į			FO		88016		1
5131	15 VUL		+27 36 51.43		+0.0044		4 • 65	2	4.83	2	4.99	2	A M		88071		1
5132	16 VUL	19 59 54.081		4.5	+0.0064	+0+072	5.21					1	F5II	1	88098	D	1
5133	17 VuL		+23 28 08 95		+0.0010	+0.005	4.96					İ	B3V		88212		1
5134	18 VuL		+26 45 17.63		+0.0014		5 • 53	2	5.61	2	5.74	2	AJIII	1	88295		1
5135	19 VUL		+26 39 31 53		+0.0004			2	6.90	2	8.40	2	K3II-III		88330		
5136	20 VuL		+26 19 42.13		+0.0005	-0.008	5.92	2	5.81	2	5.38	2	B7VE?	1	88339		1
5137	21 VuL		+28 32 31.88		+0.0009		5.12				100	1	A3		88391		1
5138	22 VUL		+23 21 17.26		-0.0001	-0.012	5.15	2	6.19	2	6.90	2	G2IB		88416		1
5139] 23 V _U L	20 13 41.706	+27 39 35 21		-0.0028	+0.011	4.52	2	5.78	2	6.89	2	K3III	l .	88428		
5140	24 VUL	20 14 38.627	+24 30 57.46		+0.0012		5.32					1	GBIII		88451	100	1
5141	25 V _U L		+24 17 07.72		-0.0001		5.43		5.410			ľ	BIIVE		88580	1 - 1	
5142	26 Vul		+25 42 29.34	1	+0.0013	+0.014	6.22		6.450			ŀ.	A4III		88884		1
5143	27 VUL		+26 17 12.96		+0.0010		5.42		5.340			1	B9V		88903		1
5144	28 VUL		+23 56 22.38		+0.0007	+0.001	5.01	. 1	The section of				B5V		88945		1
5145	29 VUL		+21 01 28.67	1	+0.0050	+0.008	4.82	2	4.80	2	4.73	2	AOV		88944	1.1	1
5146	30 Vul	20 42 42.565	+25 05 26.59		-0.0023	-0.175	4.91	2	6.10	2	7.28	2	K2III		89084		
5147	31 VUL		+26 54 31.77		-0.0051	-0.061	4 • 61	2	5.43	2	5.89	2	GBIII		89298		1
5148	32 VUL		+27 51 59.34		-0.0002		5.10					Į	K4III		89272	٧?	
5149	33 Vul	20 56 02.128	+22 07 53.72		-0.0003	+0.001	5.33	100			9.5		GK4		89332		1
5150	34 V _U L	21 18 48.631			+0.0174	-0-123	5.57	2	6.62	2	7.53	2	KOIII-IV	1	89640	1	1

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS.

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	U V Mag.	UN	SPECTRAL CLASS	5 N	SAN C.T.NO.	STAR PROP.	G N
5151	35 VuL	21 25 27.709	+27 23 24.01	+0.0032	+0.023	5.36		5.400				A1V		g9720		
5152	R VUL		+23 37 19.43	+0.0017	+0.007	7.1	4					M4E	4	ก9429	V	
5153	S Vul		+27 09 38-92	-0.0009	-0.006	10.2	4					M2	4	B7743	V	
5154	T VUL		+28 03 43.75	+0.0001	+0.000	5.4		5.87	7			F5IB		39216	l V	1
5155	U VUL		+20 13 12.31	-0.0003	-0.010	6.6		7.74	7			G5		87447	- ∨	
5156	X VUL		+26 25 16.31	+0.0008	+0.003	8.46	7	9.73	7			K2	6	87990	V -	
5157	Z VUL		+25 28 44.04	+0.0004	-0.000	7 • 38	7					B4V+A2-311	7	B7113	V	
5158	AT VÜL		+23 25 58 51	-0.0003	+0.002	9•0	6					An	6	97898	V	1
5159	BE VUL		+27 12 18.65	-0.0007	-0.013	9.2	6				-	An	6	98663	V ·	
5160	BW VUL		+28 19 51.73	+0.0004	-0.007	6.44						B2II		89265	V	
5161	DR VUL		+26 35 53 51	+0.0015	-0.006	8.5	6					88	6	48380	V	
5162	DY VUL		+23 47 50 96	-0.0002	-0.013	7.5	6					MR	6	89414	V	
5163	ER VUL		+27 36 33.35	+0.0062	+0.007	7.5	6				7	Gn	6	49396	V	1
5164	2 ES Vul		+22 56 03.18	-0.0000		5.30			1			BO.5IV		97036	DV	
5165	FI VUL		+22 48 29.04	+0.0007	-0.013	8.1	6		1			M3	6	89156	V	1 :
5166	LT Vul		+21 11 34.22	+0.0015	-0.020	6.46						F2III	7	86753	٧	1
5167	RS Vul		+22 21 00.57	+0.0010		6.9	4					B8	-4	87035	V	
5168	RT VUL	19 09 21.191		-0.0006	-0.019	7.5	7					B8	7	86909	V	
5169	SV VUL		+27 19 52.77	+0.0004		6.73	7	7.87	7	ļ		F7IAB-K0IA	7	87829	V	1
5170	6 ALP VUL		+24 33 44.89	-0.0093		4.45	2	5.95	2	7.77	2	MOTII		87261		1

TABLE 4
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

IUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	7		B	, , , , , , , , , , , , , , , , , , ,	U N	SPECTRAL CLASS	S N	SAD CAT-NO.	STAR PROP.	\rfloor
OMOLIK			-25 13 24.61		+0.0034	-0.007	9.2	6	9.28	7			AO	6	166011	V	i
1	RU ScL	00 00 14.336	130 70 07 03		+0.0052	_		6				- 1		1	536n3	V	١
2	TW AND	00 00 43.893	+32 34 03.23	41	+0.0017		4.56	2	4.52	2	4.40	2	BOTV		147059		Ţ
3	2 CET	00 01 10.401	-17 36 51 40		-0.0007		5.89		6.160				AOIII	1	10954		١
4	9 CAS	00 01 38.2/3	+62 00 34 13		-0.0006		5.16		•				K318	1	147066	۸5.	١
5	3 CET	00 01 56.533	-10 47 15.98	. :	-0.0008		4.61	2	5.65	2	6.52	2	KIIII	100	128572		
ь	33 PSC	00 02 46.530	-05 59 13.96	!	+0.0031		5.48	-					GG5	1	91701		
7	86 PEG	00 03 07.764	+13 07 05 - 39		+0.0002		7.3	6		1			MD	. 6	192357	V	
8	SW SCL	00 03 41.224	-33 05 40 • 72				5.44	۱۲	5.420				B8		10978		
9	10 CAS	00 03 49.656	+63 55 04 • 66		+0.0014		6.43	2	6.29	2	5.81	2	AON	1	128595		J
10	4 CET	00 05 10.335	-02 49 37.30		+0.0016			2	7.43	2		2	GK2	1	128602		
11	5 CET	00 05 38.407	-02 43 33.57		+0.0004		6.05 2.060		1.950		1.480		B9P	1	73765	1	÷
12	21 ALP AND	00 05 47.841	+28 48 52 12		+0.0104			6			11.28	7	МО	6	166074	ν .	
13	YY SCL	00 05 56.348	-26 15 23 89		+0.0002	+0.000	8.1	١٠	1	١'	12.00		GG 9		01734		
14	87 PEG	00 06 27.408	+17 56 02.94	. `	+0.0096	-0.020	5.48		2.610	l٠	2.730	1	F2IV		21133	DV	
15	11 BET CAS	00 06 29.735	+58 52 26.77		+0.0679		2.270	*	5.820		2.130	^	DF2		166083	ח	
16	KAP- 1 SCL	00 06 48.219	-28 15 57.79		+0.0054	+0.001	5.40	۱.	4.910		5.750	١,	KOIII	1.	214983		
17	EPS PHE	nn 06 52.775	-46 01 23•71		+0.0124	-0.177	3.880	1 *	5.410		3.730	1	Bav	i i	91750	D	
18	34 P5C	00 07 27.872	+10 52 03-14			+0.002	5.47	12	5.44	2	5.70	2	FZII	1:	36123		
19	22 AND	00 07 42.744	+45 47 38•93	2	+0.0006		5.04	2	6.33	2	7.25	2	668		258215	1	
20	GAM- 3 OCT	inn 07 48.524	-82 30 07•23			-0.014	5.28	6	0.33	15	1.23	-	A7	6	21169	l v	
21	SX CAS	00 08 04 443	+54 36 48.35			+0.004	8.9		9.22	7	1		MSIII	1 7	147130	V	
22	AC CET	00 08 25.192	-18 51 01.90		-0.0012		7.8	6		2			F6V	1 '	147133	1	
23	6 -F CET	00 08 43.198	-15 44 32 63			-0.264	4.89	2	5.38	12			KSIII	1.	166103	1.	
24	KAP- 2 SCL	00 09 02.232	-28 04 41.40			+0.020	5.56	١	5.69	2		100	F4V		192388		
25	THE SCL	00 09 11.681	-35 24 46 45	1		+0.126		2		•	1.750	١,	BZIV	1	91781	l v	
26	BE GAM PEG	00 10 39.447	+14 54 20.57	l	+0.0002	-0.007	2.840	1	2.610	1.	1.750	1	DA7		36173		
27	23 AND		+40 45 34 17			-0.140	5.60		9.750	1,		1	GO	6	21233	V	
28	FM CAS	00 11 48.761	. +55 58 30 44	l		+0.004	8.9	2	6.74	2	8.55	2	MOIII	7	128655	DV.	
29	AD CET	00 11 54.170	-08 03 31.02	Ĺ		+0.008				2	8.30	2	MZIII		91792		
30	89 CHI PEG	00 12 00.662	+19 55 43.61	l		+0.005	4.80	2		2	8,07	2	GM1	1	147169	V	
31	7 AE CET	00 12 06.096	-19 12 34.97			-0.063	4.46	4	6.12	15	10,01	١- ١	AO	4	258218		
32	OMI OCT	00 12 16.820	-88 38 27 64	1		+0.000	7.22	2	6 10	2	6.14	2	GA9		1090A7	י עם	
33	35 UU PSC	00 12 24.11	+08 32 36.36	1		-0.022	5.79		6.10	٦٤	0.14	١٢	M6E	4	192424	V	
34	S ScL	nn 12 51.10	-32 19 22-52	1		+0.019	6.3	4	1.0 03	1,	11.48	7	MB	6	215026	l v	
35	AF PHE	00 13 38.820	-48 50 00.98	1		+0.016	8.5	6		1		2	666	١	109100		
36	36 PSC	nn 13 59.72	51+07 57 45•71	1		7 -0.008	6.11	2		2	7.69	1	A3	14	91812		
37	37 PSC	00 14 10.72	1 +13 38 20 97			+ +0.007	7.50	4		2	4.72	2	AZV		53777		
38	24 THE AND	nn 14 28 29	9 +38 24 14.90			+ -0.015	4.61	5		12	4.72	1-	F5	4		D	
39	38 PSC	no 14 49.83	3 +08 35 52 29			+0.084	6.98	4		2	4.92	2	11160	1 7	21273	V	
40	AO CAS	no 15 03.34	7 +51 09 19.80	1		7 +0.001	5.90	2		10	4.72	1-	F5	ш	91825	1	
41	39 PSC	nn 15 14.05	1 +16 03 13•73	1		2 -0.019	7.44	14		١,	1	2	AZV	2	1	V2	
42	25 SIG AND	00 15 42.47	9 + 36 30 29 • 75	1		2 -0.035	4 • 52	2		<u>,</u> 2	4.64	1-	B9	٦ '	36256	D	
43	26 AND	nn 16 03.43	9 +43 30 49•02			7 +0.002	6.06	1 -	5.980	-		1	B9	6	1	v	
44	TV CAS	i nn 16 36.00	2 +58 51 42.03	1		7 +0.008	7.7	6	1	١.	E 0110	1.	K2111	1 0	128694		
45	B TOT CET	l nn 16 52.78	4 -09 06 03,44	1		3 -0.031	3.55			' ~	5.940	1	KO	4		Į	
46	40 PSC	00 17 20,99	6 +15 58 25•25			1 -0.001	6.77		The second second		1	1		1	248163	1	
47	ZET TU	00 17 28 77	2 -65 10 06.72			4 +1.167	4.23						G2V		109152	V2	
		The state of the s	7 +07 54 45.79	1	-0.000	2 +0.014	5.37					2	GK3		248167	1 "	
48	41 -D PS	00 18 20-64	8 -69 54 08-81		-0.001	7 +0.000	5.51		5.46	2	5,32	2	B9		53828	. 1	
49 50	27 RHO ANI	00 18 28.79	0 +37 41 30.68	3	+0.005	1 -0.034	5,10	1	1	1		1 :	F5IV	1	30020	1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	> z	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	,
51	IOT ScL	nn 19 00.611	-29 15 28.37	+0.0030	-0.069	5.18	2	6.18	2			GG8		166207		7
52	T CET		-20 20 06.19	+0.0049		5.2				17.00		M5-65E		166210	V	
53	T AND		+26 43 10.31	+0.0036		8.1	4				1	M3E	4	73930	V	
54	42 PSC		+13 12 18.46	+0.0042		6.22						GK2		91866	D :	
55	9 CET		-12 29 14.89	+0.0266		6.39	2	7.05	2			DG2		147237		
56	T CAS		+55 30 56.21	+0.0057		6.7	ц	., • 50	-			M7E	4	21343	V	
57	SW AND		+29 07 27.06	-0.0010		9.0	6	9.200	7		ł	A7	6	73952	ν	
58	R AND		+38 18 02-28	-0.0007			2			10.61	2	S6-6E	ľ	53860	ν	
59	S CET		-09 36 16.04	+0.0009		7.3	4	7.00	-	10.01	-	M4E	4	128740	ν	
			+61 33 15.31	+0.0016		5.36	7	5.370				B8	7	11172		
60 61	12 CAS 43 PSC		+14 02 18.98	+0.0011		6.80	4	31370	l		l.	KO	4	91881		
	44 PSC		+01 39 46.70	-0.0010		5.77	2	6.63	2	7.20	2	GG5	_	109192	4	
62			+07 24 53.46	+0.0031		7.18	4	0.00	-	7.20	۴	KO	4	109195		
63	45 PSC							3.420		3.530	١,	GZIV	7	255670		
64	BET HYI		-77 32 08.50 +51 00 13.47	+0.6884		2.800 8.3	6	8.600		3.550	1	F2	6	21398	·v	
65	TU CAS			+0.0098		3.940		4.110		4.210		A7VN	0	215092		
66	KAP PHE		-43 57 25 67			2.400		3.490		4.370		KOIII		215093		
67	ALP PHE		-42 34 38 54	+0.0187				3.420	1	4.570	1	F8	6	11197	v	
68	V 379 CAS		+60 31 17.58			8.8	6	7 10	2	7 45	12	GG4	,0,	128760		
69	10 CET		-00 19 34.65	+0.0047			2	7.10	~	7.65	12	1	ا ر ا	215098	ν	
70	AG PHE		-40 09 29.28	+0.0057		8.8	6		1			A3	6	128767	v	
71	UY CET		-06 52 52 36	-0.0015		9•1	6		1	100	1	MA	6	91909	•	
72	46 PSC		+19 14 16 27	-0.0013		6 • 65	4		1	1.0	1.	KO M3III	4	91910	V	
73	47 TV PSC		+17 36 59.07	+0.0082		6.9		6 "EO	١.	0.000	١.	GM4		192545	v	
74	ETA SCL		-33 16 58 98	-0.0014		4.810		6.450	17	8.260	1.			147289	v	
75	AG CET		-11 56 06 60	+0.0026		7 • 54	4	8.96	l ′		1	M3 GK5	.6	91912	٧	
76	48 PSC		+16 10 07.58	+0.0013		5.18	4	6.71	٦,		1	AOP		53921	v	
77	GR AND		+32 09 41 • 58	-0.0017		6.71			14		7		6	•	v	
78	YZ ScL		-35 59 43.72	+0.0029	1	8.4	6	9.96		11,34	11	MA	6	192550	v	
79	DL CAS		+59 56 09-16	-0.0008		8.6	6	9.640	14	1	1	G5	6	21446	V	
80	11 CET		-01 23 34.33	+0.0102		7.52	4				!	F0	4	128789	_,,	
81	28 GN AND		+29 28 34.47	+0.0031		5.17			ا ـ ا			A M		74041	ĎΛ	
82	12 CET		-04 14 00 17	+0.0005		5.72	2	7.28	2	9,18	2	MOIII		128791	D V	
83	AD CEP		+82 19 08 88	-0.0002		9•5	6				1			83		
84	49 PSC		+15 45 41.38	-0.0020		6.94	4				1	AO	4	91934	D	
85	13 CAS		+66 14 37.43	+0.0039		6.11			١.			B5		11243		
86	14 LAM CAS		+54 14 47.51	+0.0050		4 • 73	2	4.63	2	4.27	12	B8	ŀ	21489	D	
87	LAM- 1 PHE		-49 04 47 • 28	+0.0143		4.770		4.780		4.820		AOV		215131	D	
88	BET- 1 TUC		-63 14 00.38	+0.0140		4.370		4.320		4.150		B8V	ŀ	248201	D.	
89	BET- 2 TUC		-63 14 27 - 50	+0.0156		4 • 550		4.690		4.720		A2V		248202	D	
90	51 P5C		+06 40 46.79	+0.0024		5.67	2	5.67		5.50	2	A0	l	109262	D	
91	52 P5C		+20 01 09.15	+0.0095		5.40	_ 	6.470			_	GKO		74084	D	
92	15 KAP CAS		+62 39 22 13	+0.0002		4 • 16	2	4.30	2	3.50	2	BIIA		11256	. V.S	
93	BET- 3 TUC		-63 18 23.45	+0.0127		5.16			1_	ا ـ ـ ـ ا	١.	A2	1.5	248208	ם ,	
94	THE TUC		-71 32 30.93	+0.0167		6.13	2	6.36	2	6.56	2	A4M?		255679	V	
95	16 CAS		+66 28 29.78	+0.0036		6.37	ارا	6.290			۱.	B9		11265	DUG.	
96	L 13 CET		-03 52 04 29	+0.0274		5.20	2	5.76	2	5.84	2	F8V	'	128839	DV?	
97	14 CET		-00 46 48-17	+0.0089		5.93	2	6.37	2	6.35	2	DF2	. "	128843		
98	LAM- 2 PHE		-48 16 29.40	+0.0044		5.52	1.	10.00	1		l	DF7		215157		
99	V 446 CAS		+62 24 41.17	+0.0005		8.5	6			L	i_	MA	6	11284	V	
100	ZZ ScL	00 33 20.929	I-25 09 11·15	1+0.0009	1+0.018	8.1	6	9.75	l 7	11.51	17	I M3	6	166393	V	

TABLE 4 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR Designation	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B	UV MAG.	Ŋ	SPECTRAL CLASS	5 N	SAO CAT.NO.	STAR PROP.	ľ
101	RT ScL	00 33 59.099	-25 56 55.09	-0.0014	+0.055	9.4	6					A7	6	166406	V	I
102	AA SCL		-30 36 31.73	-0.0002	+0.006	6.6	6	10.19	7	11.88	7.	MB	-6	192633	V	
103	17 ZET CAS		+53 37 19.42	+0.0021	-0.005	3.660	1	3.470	1	2.580	1	B2V		21566	٧?	Г
104	53 PSC		+14 57 24.49	+0.0003	-0.014	5.81		5.680	1		1	B3V	1	91905	V?	l
105	29 PI AND		+33 26 39.75	+0.0013		4.36	2	4.20	2	3.65	2	B5V		54033	D	ł
106	BZ AND		+45 19 45.10	-0.0010	+0.001	8.4	6		1			MA	6	36522	V	ì
107	15 CET		-00 46 41.55	-0.0032	-0.005	6.92	4				l	KO	4	128858	ס	1
108	AH CET	00 35 35.527	-21 41 04-64	-0.0038	-0.016	8.8	6	10.25	7		1	M2	- 6	166429	V	ı
109	30 EPS AND	00 35 54.422	+29 02 26.12	-0.0174	-0.249	4.38	2	5.25	2	5.72	2	GBIII]	74164	1	
110	31 DEL AND		+30 35 15.79	+0.0106	-0.084	3.280	1			6.040		KSIII		54058	D	1
111	54 PSC	00 36 45.412	+20 58 51.87	-0.0331	-0.366	5 • 86	2	6.71	2	7.29	2	KOV	1	74175		1
112	EF AND	00 36 58.306	+46 16 52 28	+0.0011			6	1.0			i.			36559	٧	1
113	TW PSC	00 37 09.481	+13 55 33.61	-0.0001		9.2	6		i i				i .	92012		ı
114	55 PSC		+21 09 51.71	+0.0020		5.42			٠.	1.0		KOII-III		74182	D _V	
115	Z ScL		-34 14 04 • 19	+0.0267		6.3			١.		١.	F8		192663 21609	V _Q	1
116	18 ALP CAS		+56 15 48 60	+0.0064		2.230		3.400		4.520		KOII-III	İ	54079	٧٠.	1
117	32 AND		+39 11 04.33	-0.0010		5.33	2	6.22	2		2	GBIII	1	215194	1	ı
118	MU PHE	.7 7	-46 21 33 10	-0.0017		4.590		5.560		6.280		GBIII B2V		21637	V?	
119	19 XI CAS		+50 14 19 11	+0.0014		4 • 81	6	4.71	7	4.05	۲	M3	6	128907	v	
120	AI CET		-09 55 19 20	-0.0010 +0.0106		8•8 5•70	2	10.29 5.90	2			A8P	°	232152	DV2	ı
121	XI PHE		-56 46 34.68 +52 03 47.54	-0.0010			4	2.490	٦		ŀ.	B3	6	21646	V	ı
122 123	V 486 CAS LAM- 1 SCL		-38 44 13.64	-0.0000			2	6.03	2		ŀ	AOV	"	192690	l o	1
_			-65 44 33.03	+0.0094			2	5.89	2	5.91	2	DF5		248237	i -	1
124 125	RHO TUC 20 PI CAS		+46 45 05 30	-0.0021		4.99	-	0.02	Ι-	J. 71	-	A5		36602	V ?	1
126	20 PI CAS CC AND	00 41 03.148		-0.0021		8.8	6	9.130	7			""	1	36605	V	L
127	16 BET CET		-18 15 38.78	+0.0163		2.020		3.030		3,910	1	KIIII		147420	V?	1
128	ETA PHE		-57 44 13.25	-0.0002		4.360		4.350		4.320		AOIV	1	232162	D	1
129	17 PHI- 1 CET		-10 52 53.49	-0.0009			2	5.75	2	6.59	2	KOIII	1	147423	٧?	1
130	LAM- 2 SCL		-38 41 48.74	+0.0203		5.97						GKO		192703] .	1
131	EG AND		+40 24 22.49	+0.0009	-0.004	7.46	4		1	1		GM2E	7	36618	V	1
132	22 OMI CAS	00 41 55.654	+48 00 40 00	+0.0019	-0.003	4.50	2	4.44	2		2	B2V		36620	D	1
133	AB SCL	00 42 04.655	-33 55 37.34	-0.0029	+0.050	8.7	6.	10.34	7	12.32	7	MA	6	192707	V	1
134	21 YZ CAS	00 42 18.429	+74 42 54 68	-0.0043	-0.019	5 • 57	1	1.0	1			A2-A3		4216	DV	
135	18 CET	00 42 57.987	-13 09 04.22	-0.0026		6.11		100	1			DF8		147432		1
136	57 PSC		+15 12 11.71	-0.0019		5•36			1.	1	ļ	GM4		92072	Λ.5	
137	Y HYI		-79 05 40 08	-0.0005		9.2	6	l	1		1		1	255703	V	1
138	23 CAS		+74 34 29.87	+0.0041		5.41		5.330	1	i i	1	B8		4226	1	İ
139	58 PSC		+11 42 05.50	+0.0037		5.52			1	1	1	669		92080		
140	59 PSC		+19 18 20 -69	+0.0070		6.01	١,		1.	6.05	١,	A5 K1II	1	74267	Va	1
141	34 ZET AND		+23 59 43.95	-0.0073		4.06	2	5.18 6.93	2	6.05	2	GG6		109461	UV	1
142	60 PSC		+06 28 06 15	+0.0008		5.99	2	0.93	٦	7.63	15	DF6	1	74280	Ь	1
143	61 PSC		+20 39 08 80	+0.0112		6.45	2	7.03	2	8.02	2	GG7	1	109470	"	1
144	62 PSC		+07 01 38-29	+0.0073		5.93 7.6	6	7.03	1	0.02	15	G5	6	130	l v	
145	RX CEP		+81 41 42.37	+0.0018		5.00	٦	4.890		1	1	B9	"	21729	V2	
146	25 NU CAS		+50 41 45.47 +57 33 03.15	+0.1368		3.440	1	4.020		4.040	,	GOV		21732	D	1
147	24 ETA CAS		+07 18 47.93	+0.0056		4.44			2	7.83	2	KSIII	1	109474	-	1
148	63 DEL PSC		+16 40 15.74	-0.0001		5.12	-	3.,5	-	1		F8V	1	92099	1	
149 150	64 PSC	00 46 51.740		+0.0356		5.070	i.	6.340	1.	8.120	1.	MIIII	1	255710	1	ı

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	> Z	BLUE MAG.	B N	UV MAG.	N	SPECTRAL CLASS	S N	5A0 CAT.NO.	STAR PROP.	G N
151	35 NU AND	on 47 02.830	+40 48 25.23	+0.0018	-0.016	4.53	2	4.38	2	3.80	2	85V		₹6699 74295		
152	65 -I- 1 PSC	00 47 11.400	+27 26 19.64	+0.0063	-0.005	6.29						GF2	l	74295	ם ו	1 . 1
153	65 -I- 2 PSC	00 47 11.766	+27 26 17.48	+0.0068	-0.004	6.29			1			GF0	7	36702	l "v	1 1
154	GO AND	00 47 30.141	+44 43 48+35		+ū.008	6.14		6.16	ا ا		l۵	AOP F8V	l ′ .	147470	"	
155	19 PHI- 2 CET	UD 47 37.288	-10 54 47.65		-0.223	5.20	5	5.70	2	5.69	2	MB	6	11434	lv	
156	VY CAS		+62 38 57 • 16		+0.01%	9.1	6	5.58	2		l	DF2	١٠	232203	V .	i
157	RHO PHE	00 48 24.814	-51 15 33.91		+0.046	5.22	6	5.50	-		1	MZ	6	21786	V	1 1
15 ₈	V 451 CAS		+59 27 14.92		+0.004	8.3	2	6.35	2	8.27	2	MOTIT	ľ	129009		
159	20 CET		-01 24 55.53		-0.013	6.22	2	6.78	2	6.86	12	F8		248269	DV3	1
160	LAM- 1 TUC	00 50 30.741			+0.002	5.64	-	7.20	7	"""	1	MSIII	6	248276	٧	1 '
161	RO TUC	00 51 33.387	-63 08 33.46		+0.015	9.0	6	,,,,,	Ι.] -		1.77		11461	V -	
162	BM CAS	00 51 40.707	+63 48 50 47		-0.048	6.16	2	7.08	2	7.62	2	5GG3		129019		1
163	21 CET	00 51 40.132	-09 00 39.81 +18 55 03.39		-0.010	5.70	I -	5.690	1			A1V	ļ	92145	D :	
154	66 PSC	00 51 56 105	+58 42 09.02		-0.038	4.84	2	6.06	2	7.32	2	K2II		21832	D	
165	26 UPS- 1 CAS	00 52 01.012	+23 21 28.90		-0.026	5.45					1	5GK1	1	74359	DA5	
166	36 AND		-69 47 50.02		-0.041	5.45	2	6.54	2	7.54	2	GTIII		248281	D	
167	LAM- 2 TUC 67 -K PSC		+26 56 19.28		+0.012	5.97		6.080				A3V		74373	l	
166 169	22 PHI- 3 CET	00 53 31.022	-11 32 13.09		-0.005	5.31	2	6.83	2		L	K4III		147519		
170	28 UPS- 2 CAS	00 53 40 100	+58 54 41.01		-0.041	4.64	2	5.60	2		2	GSIII-IV		21855	DV	
171	27 GAM CAS	10 53 40.324	+60 26 47.38	+0.0034	-0.000	2.390		2.290		1.180		BnIV?E	١.	11482	DV	1
172	AC SCL	nn 53 52.554	-25 49 26.76		-0.031	7.7	6	9.30	7		7	M2	6	166692	l o'	1
173	37 MU AND	00 53 58 160	+38 13 42 99		+0.037	3.870		3.990		4.140		A5V	1	74388	1 "	1
174	38 ETA AND	00 54 31.887	1+23 g8 53•49		0.037	4.42	2	5.36	2	6.05	10	GBIII-IV	1	74395	1	
175	68 -H PSC	nn 55 07.383	1+28 43 20 47		-0.005	5.54	١.	" 000		7 500	١.	BBIII	1	166716		1
176	ALP SCL	00 56 11.882	-29 37 38-43		+0.005	4.270	1 -	4.090	' -	3.520	1	GG7	1	147546	1	1
177	23 PHI- 4 CET	00 56 13.583	1 -11 38 58 40		-0.016	5.79	1	7 70	2	9.69	2	GM2	7	109581	עם	1
178	ww PSC		+06 12 49.96		-0.002	6.11	4	7.78	15	3,07	-	AO	4	168	V	
179	U CEP	1 7 7 7	+81 36 24 59		1 +0.002	6.8 8.9	6			1	١.	M5	6	21917	V	}
180	V 365 CAS		+56 20 36.93		9 +0.020	8.3	6	9.83	17		1	мз	6	147564	V	
181	AK CET	00 58 00,344	-12 27 52 16		0 +0 • 058	5.59	2	6.77	2		1	GKO		192870	1	1
182	XI ScL		-39 11 09.90		2 +0.039	7.84	4	""	1-		1	G5	4	109614		
183	70 PSC		1 +07 40 17.23		7 +0.023	6.11	2	7.05	2		1	GBIII		232268		
184	OME PHE		5 -57 16 16.58 7 -31 49 14.89		0 +0.017	5.50	2		2		1	A2V		192884		j
185	SIG SCL		+31 32 10.89		1 -0.023	5.38		5.330)			B9V		54374	1_	
186	69 SIG PSC		7 +41 04 36.77		9 -0.005	5.98	2		2		2	A7V		36874	D	
187 188	39 AND 71 EPS PSC		+07 37 17.02		4 +0.028	4 • 28	2	5.24	2	5.95	2	KOIII		109627		
189	25 CET		2 -05 06 12.94	-0.007	5 -0.102	5 • 44	2		2	7.59	2	KOIII-IV		129094	n	1
190	26 CET		3 +01 05 57.35		B -0·037	6.04	2		2		2	DF0	1	1n9643	D -	160
191	2 UMI	01 01 30.79	2 +85 59 24 27		3 -0.006	4.26	2		2		2	KSIII		109656	1	1201
192	73 PSC	01 02 16.99	2 +05 23 19.59		7 -0.009	6.00	2	7.51	2	9.36	2	GK5	1	92230	D	1
193	72 PSC	01 02 26.72	6 + 14 40 39 • 69		+ +0.059	5.58		=	.1		1	DF2 B9.51V	1	74482	ď	1
194	74 PSI- 1A PSC	U1 02 59.77	2 +21 12 21.62		6 -0.011	5.55		5.510				B9.510		74483	اما	
195	74 PSI- 18 PSC	01 03 00.52	0 +21 11 53,41		4 -0.013	5.82		7.13	' 2	7.98	2	KOIII	1 .	147601	-	
196	27 CET	01 03 06.49	1 -10 14 46.80		6 -0.030	6.12			2		12	DF5		109666	D	1
197	77 A PSC	01 03 13.82	1 +04 38 33 19		3 -0.116	6.34 7.24			2		2		1	109667	Ď	1
198	77 B PSC		8 +04 38 37 56		8 -0 • 114 9 -0 • 017	6.64	1 .		-	1 '''	1-	Ко	4	54421		
199	76 PSC	01 03 25.74	3 +31 54 52 26		7 +0.007	5.58	1 :	(III)	2			AO		147606	1	1
200	28 CET	T 01 03 34.54	8 -10 06 24 47	+U+UUI		1 5.38	15	1 5,37	-		1		1	1	1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	2 <	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S №	SAO CAT-NO.	STAR PROP.	G N
	V 487 CAS		+63 30 22+84	-0.0034	+0.016	8.4	6	9.93	7			GOTAB	.7	115A1	V	
201 202	BET PHE	01 03 51.357	-46 59 09.77 L	-0.0029		3.310	1	4.210	1 1	4.770	1	GBIII		215365 92250	DA5	1 1
203	75 PSC	01 03 55.550	+12 41 19.12	+0.0010	+0.038	6.13	,					GG7		22024		l
204	30 MU CAS	01 04 55.686	+54 40 32.96	+0.3947			2	5.87	2	5.96	2	G5VP		11591	ν	
205	HS CAS	01 05 07.806	+63 19 11 - 35	+0.0004		8.9	6	**		A 1	i i	4042		36950	l '	
206	41 AND	01 05 08.012	+43 40 34 86	+0.0152		4 • 97			٦		2	A2M? F5IV		54445		i i
207	78 PSC		+31 44 44.93	+0.0158		6 • 25	5	6.65	2	6.64	-	DF3		147622		
208	30 CET	01 05 15.286	-10 03 09.23	+0.0100		5.87		= -10	1			A3V		74506		1
209	79 PSI- 2 PSC	01 05 15.941	+20 28 25.79	+0.0062		5.58		5.710	2		1	GSIII		248324		
210	IOT TUC	01 05 20.132	-62 02 31.21	+0.0111	-0.005	5.37	2	6.25	-			G5	4.	109694		1
211	29 CET	01 05 24.795	+01 43 56 14	+0.0089		6.69	2	5.37	2	5.46	2	A3V		215374	D	-
212	UPS PHE	01 05 30.962	-41 45 14.23		+0.009	5.21	2	5.87	2	5.86	2	F2V		109697	l	1
213	80 -E PSC	01 05 47.464	+05 23 08 • 68		-0.175	5.53 3.450		4.610		5.800		KSIII	١.	147632].	
214	31 ETA CET	01 06 04.420	-10 26 48.57		-0.133	8.6		10.19	17	3.000	^-	M1	6	147633	٧.	1
215	AL CET	01 06 11.103	-17 19 47 64		+0.031	3.960		3.860	,	4.270	1	B6V	1	232306	να	1
216	ZET PHE	01 06 17.251	-55 30 45.72		-0.004		2	4.18	2	3.84	2	B7V	Ì.,	36972	D	1
217	42 PHI AND	01 06 35.326	+46 58 32 80		-0.109	2.050		3.620		5.580	1	MOTIT	1	54471	DV?	1
218	43 BET AND	01 06 55.456	+35 21 21.74		+0.013	5.50	1 -	"""	1-	***	1	GF5	ĺ	92283		
219	81 PSI- 3 PSC	01 07 08 495	+19 23 32 33		-0.017	5.30		İ				An	l	11612		
220	31 CA5	01 07 14-623	+68 30 47.88 -46 31 54.76		-0.003	8.5	6			1	1	G0	6	215389	V	1
221	AI PHE	01 07 20 003	+41 48 58-35		-0.037	5.67		6.270			l	F8V	1	36984	1	
222	44 AND	01 07 21 405	-09 10 17-16		-0.033	6.40	2	7.44	2	8.31	2	GG6		129154	1	
223	32 CET		+79 24 31.20		+0.003	5.62	1		1			A0		4341		
224	44 CEP 33 CET	01 07 59.036	+02 10 48.30		-0.010	5.95	2	7.46	2	9.33	2	GK4	1	109715	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	1
225 226	33 CET 33 THE CAS	01 08 02.554	+54 53 04.32	+0.0265	-0.017	4.34	2	4.51	2	4.64	2	A7V	1	22070) v.	1
227	82 =G PSC	01 08 20 886	+31 09 33 62		-0.009	5.00	1					A7		54493	1	
228	45 AND	01 08 21-178	+37 27 31 10		-0.003	5.75	١.	5.650		1	1	B7III	i	54494	l v	1
229	32 RU CAS	01 08 24 582	+64 45 12.98	+0.0039	-0.010	5.49	ľ	5.390			l_	B8		11617	'	
230	B4 CHI PSC	01 08 45.636	1+20 46 09.66		-0.006	4.66	2	5.69	12	6.50	2	GBIII	6	147656	V	
231	AM CET	01 08 48.361	-13 46 08 08		+0.001	7.67	4	9.16	7	ا ا	12	KOIII-IV	١ ٥	74546		
232	83 TAU PSC	01 08 53.974	1 +29 49 29.07		-0.032	4 - 51	2	5.61	2	6.61	2	K4III	1	129169	1	
233	34 CET		3 -02 30 58 25		-0.021		2		S	9.01	10	F8	4	109727		
234	35 CET	01 09 56.655	+02 12 28 45		-0.103	6.82	4		1		1	65	1 7	129177	1	-
235	36 CET	01 10 16.599	-07 02 53.29		-0.012	6.93		5.69	٦	6.53	2	KOIII	1	74571	l o	
236	85 PHI PSC	01 11 01.657	7 +24 19 09•68		-0.027	4.66	2		2	0.55	1-	MO	6	74573	ľv	1
237	RT PSC	01 11 03.729	+26 52 07.31		-0.040	8.7	6		2	5.27	2	A5	١	109739	DV?	į.
238	86 ZET- 1 PSC	01 11 06.933	3 +07 18 41 • 34		-0.050	4 · 86 6 · 49	12	3.10	-	3.27	1-	DF6	1	109740	DV3	
239	86 ZET- 2 PSC	01 11 08.346	6 +07 18 52.03		7 -0.046	5.84	1	5.750	١.		1	BBIII		92326		1
240	87 PSC	01 11 28.009	9 +15 52 09 85		6 -0.021 6 +0.000	8.8	6			1	1	M4	7		V	İ
241	AN CET	01 11 41.696	8 -02 26 38 40		2 +0.277	5.13	2		ĺż	5.54	2	DF2		129193	DV?	1
242	37 CET	01 11 52.826	6 -08 11 27.96		-0.019	6.03	2		2		2	GG6	-	109753		1
243	88 PSC	01 12 06 14	0 +06 43 52.56		+0.209	5.70	2				2	DF5		129196		.
244	38 CET		1 -01 14 26 93		5 +0,190	4.960				5.640		F8V	1 4.4	215428		
245	NU PHE	01 12 55.900	6 -45 47 53 11		5 -0.007	6.9	4		-			NA	4	74593	V	
246	Z PSC	01 13 21.01	8 +25 30 20 14		-0.022	7.93	4					A5P	7	193014	٧	
247	VV SCL		5 -34 24 45.78		2 -0.059	5.41	12	1 .	2	6.75	2	GG5	1	129204		
248	39 CET	01 14 03.83	2 -02 45 46.70		++0.113	7.186					2	F6V	1	248345	D	159
249 250	KAP- 1 TUC		1 -69 08 23.34 6 -69 08 28.63		B +0.112	4.996						F6V		248346	D	156

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

	STAR	RT. ASCEN. DECLINATION		RA	DEC	VISUAL	٧	BLUE	В		U.	SPECTRAL CLASS	S N	SAN CAT.NO.	STAR PROP.	G
NUMBER	DESIGNATION	HR MN SEC DEG MN SEC	N	PM	PM.	MAG.	Ň.	MAG.	N	MAG.	N		- N			
251	UV PSC	01 14 18.530 +06 32 53.0	1	+0.0055	+0.028	8.7	6					G 5	6	1n9778	V	
252	RU CEP	01 14 23.693 +84 52 10.0	7	+0.0082		9.0	6							220 129210	"	
253	40 CET	01 14 25.303 -02 32 25.5	9	+0.0172		6.83	4		1 .			F8	4	166924	ν	
254	RT CET	01 14 28.637 -24 06 27.0	9	-0.0001		9.4	6		1		1	M2	6	109789	v	
255	S PSC	01 14 57.368 +08 40 04.8		-0.0014		8.2	4					M7E	7	22165	ľv	
256	V 465 CAS	01 15 05.608 +57 32 25.		+0.0013		6.8	4					M5 A2	4	129217	'	1
257	41 CET	01 15 11.507 -07 55 22.		+0.0009		6.93	4		١,	r 30	,	A3V	*	109793	l	1
258	89 - F P5C	01 15 13.014 +03 21 06.2		-0.0035		5.17	2	5.24	2	5.32	2	SE	4	4374	V-	
259	S CAS	01 15 57.715 +72 20 55.		+0.0001		7.2	4					M2	6	22182	v	
260	AA CAS	01 16 18.635 +56 04 00.0		+0.0008		8.2	6	0		4.89	1	A2V	0	74637		
261	90 UPS PSC	01 16 42.703 +27 00 06.		+0.0019		4.76	2	4.79 5.67	2	6.16	2	FOIA		22191	n	1
262	34 PHI CAS	01 16 55.101 +57 58 10.0		+0.0000		4.99	2	6.51	2	6.83	2	G8111?		129235	o a	1
263	42 CET	01 17 14.782 -00 46 15.		+0.0006		5.87	6	8.93		10.69	7	MB	6	215460	v	1.
264	AK PHE	01 17 24.600 -47 33 16.		-0.0023		7.3	0	0.95	1'	20.03	'	AO	<u> </u>	11712	DV?	1
265	35 CAS	01 17 43.398 +64 23 48.			-0.013	6.30 8.9	اےا	10.48	7			M2	6	147744	V	
266	AO CET	01 17 47.286 -10 00 33.			+0.032	5.30	l° l		1'	1		GK5	"	74647	1	
267	91 -L PSC	01 18 21.077 +28 28 39			-0.067	4.90	2	5.98	2	6.95	2	KOIII-IV		37155	1	
268	46 XI AND	01 19 23.103 +45 16 02.			+0.012	9.0	6	3.90	1-	0.73	-		1	11727	V	
269	XZ CAS	01 19 40.653 +60 54 55.	18			6.49	2	7.57	2	8.58	2	GKO	1	129262	V?	-
270	43 CET	01 20 01.216 -00 42 38.			-0.009	5.49	٦	5.750		0.50	T .	AM	1	54655		
271	47 AND	01 20 48.433 +37 27 16.			-0.013	3.590	1	4.650		5.570	1	KOIII	1	129274	D	1
272	45 THE CET	01 21 31.363 -08 26 27.			-0.066	6.21	2	6.44	2	6.53	2	A5		129275		
273	44 CET	01 21 31.531 -08 16 01.			+0.032	4.74	2	5.78	2	6.71	2	KOIII		11751	מ	
274	36 PSI CAS	01 22 22.244 +67 52 11.			-0.045	2.680		2.810		2.940		A5V	1	22268	V	
275	37 DEL CAS	01 22 31.498 +59 58 34.			-0.034	8.28	4	9.79	7	11.26	7	MB	6	215498	V	1 .
276	AL PHE	01 23 05.022 -46 11 11.	10		-0.015	4.90	2	6.13	12		1	KSIII		147803		1
277	46 CET	01 23 09.632 -14 51 30.			-0.001	8.6	6	3,11	-		İ	F8	6	37207	٧	1
278	CD AND	01 23 30.959 +44 05 51.			+0.014	5.26					1	DF1		92436	٧?	1
279	93 RHO PSC	01 23 33.246 +18 54 45.			-0.056	5.53	1				l	GK1	1	92444	9	1
280	94 PSC	01 23 59.312 +18 58 55.			+0.010	5.68				1		F1V	1	147812	V2	
281	47 CET	01 24 23.475 -13 18 57.			-0.100	4.83	2	5.25	2	5.25	2	F41V	l	37228	D	
282	48 OME AND	01 24 39.155 +45 08 57.	01		-0.026	5.77	2	9.60	12	3,100	į –	N3	1	193122	Ų	
283	R ScL				-0.128	7.33			1	1	1	GO	4	109905	D	1
284	95 PSC	01 25 03.867 +05 05 44. 01 26 11.776 -43 34 25.			-0.203	3.410		4.980	1	6.820	1	K5II		215516	V?	
285	GAM PHE	01 26 26.278 +07 02 12.	05		-0.049	6.68	4				1	F2	4	109916	1	1
286	96 PSC WZ SCL	01 26 26.505 -34 01 18.			-0.020	6.62	4				l	A3	6	193136	V.	
287 288	49 A AND	01 27 05.505 +46 45 00.	17		-0.039	5.23					1	GGIII		37275	l	1
289	XX SCL	01 27 08.974 -33 34 43.			-0.040	8.9	6		1		1	F0	6	193142	V	1
290	97 VX PSC	01 27 10.619 +18 05 52.			+0.001	5.93		6.070)		1	A4III		92463	V	1
290	48 CET	01 27 12.209 -21 53 14.			+0.010	5.13	2	5.15	2		1	AIV	1	167086	D	- [
292	38 CAS	01 27 28.374 +70 00 29.			-0.070	5.87	1		1			DF6		4422	1	1 .
293	98 MU PSC	ni 27 33.722 +05 53 12.			-0.042	4.84	2	6.22	2	7.74	2	K4III		109926	1	1
294	R PSC	01 28 03.356 +02 37 27.			+0.000	7.0	4					M4E	4	109934	V	
295	SY PHE		88		-0.022	9.4	6					F8	6	215532	V	1
296	IM CAS	01 28 37.780 +62 04 19.		-0.004	+0.016	7.8	6				١.			11802	V	1
297	99 ETA PSC	01 28 48.197 +15 05 19.		+0.0019	-0.002	3.620		4.590	1	5,330	1	GBIII		92484	DAS	1
298	IZ PER			+0.001	+0.005	7.8	6	1			1.	88	6	22364	V	
299	DEL PHE		19		+0.159	3.950	1	4.940	1	5.640	1	KOIII-IV		215536	1	
300	AE PHE	1	40	+0.016	-0.043	7.92	4					G0	6	215545	, v	
""	1 ""			1			L	1	1_	1	1	<u> </u>		I	ــــــــــــــــــــــــــــــــــــــ	ــــــــــــــــــــــــــــــــــــــ

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC		P	RA DEC PM PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT.NO.	STAR PROP.	1
301	39 CHI CAS	01 30 38.663	+58 58 34.67		-0.0048 -0.010	4.72	2	5.72	2	6.48	2	GSIII		22397		l
302	SZ PHE	01 31 54.597	-43 29 51.32		-0.0004 -0.01	9.2	6				l			215563	V	
303	RS TRI	01 32 00.442	+29 20 01.24		-0.0064 +0.00	9.1	6			i	١	A5	- 6	74803	٧	I
304	49 CET		-15 55 54.75	1.14	+0.0063 +0.00					1		A2V		147886	l _	ł
305	100 A PSC		+12 18 12 10		+0.0005 -0.00		4					A3	4	92521	D	Ì
306	100 B PSC		+12 18 15 80		+0.0009 +0.00	_	4			1	ľ	A7	4	92522	D	ı
307	101 PSC		+14 24 23.13	-	+0.0002 -0.00			6.090			1	B9111		92530	V?	
308	WY CET		-12 11 48.03		-0.0027 -0.02		6		l			A2	7	147897	V	
309	50 CET		-15 39 19.02		+0.0009 +0.02		1					K2III		147901	_	1
310	TAU SCL		-30 09 46.15		+0.0075 +0.04		2	6.02	2			DF4		193201	ן ח	
311	50 UPS AND	01 33 51.142	+41 09 22.13		-0.0153 -0.37		2	4.64	2	4.70	2	F8V		37362		
312	102 PI PSC	01 34 26.628	+11 53 11.61		-0.0045 +0.04							A5N		92536 4453	DV?	
313	40 CAS		+72 47 10 46	٠.	-0.0024 -0.00				١.	6 000	١.	G8II-III K3III		37375	יאט	
314	51 AND		+48 22 32 65	100	+0.0066 -0.10			4.850		6.290 -0.350		BSIV		232481		i
315	ALP ERI		-57 29 24.93	- 1	+0.0129 -0.02		Ί ⁺	0.320	1	-0.350	1	GSII		37406	1	
316	52 CHI AND		+44 07 57.43		-0.0020 +0.01		4		Ι.			G5	4	92555	ا ا	
317	103 PSC		+16 22 20 89		-0.0002 -0.01 +0.0060 -0.02		4					KO	#	92556	'	
318	104 PSC		+14 01 57.51		+0.0053 -0.01		٦,			100		GK2	"	92558		
319	105 PSC		+16 09 10 30	5.0	+0.0033 -0.01		2	4.85	2	4.44	2	BBIV		37418	DV2	
32 ₀ 32 ₁	53 TAU AND -P ERI		+40 19 28.67 -56 26 52.43		+0.0337 +0.02		2		2	7,77	-	KOV		232490	D	
322	-P ERI		+67 47 28.24		+0.0095 -0.00		-	5.510	-			AP	l	11919		
323	106 NU PSC		+05 14 07.13		-0.0016 +0.00		2	5.80	2	7.36	2	K3111	ŀ	110065		
324	42 CAS		+70 22 15.78		+0.0156 -0.00		٦	3.00	~	7.00	-	AO		4470	V2	
325	107 PSC		+20 01 34.34		-0.0209 -0.66		2	6.08	2	6.57	2	Kiv		74893	l ''	
326	PI SCL		-32 34 42.49		-0.0059 -0.02		-	3.5	-		_	GKO		193263		
327	44 CAS		+60 18 00 24	1	+0.0012 -0.01			5.770				В9		11941	D	1
328	PHI PER		+50 26 15.92	10	+0.0027 -0.01		2	4.02	2	3.10	2	BIIII-V2P	Ė.	22554	٧	1
329	-0- 1 ERI		-53 59 26 95		+0.0194 -0.08							5 G G0		232501		ı
330	TAU -1 HYI		-79 24 01 01		+0.0206 +0.01		2	7.27	2	7.96	2	Ko **		2558n6	D	1
331	52 TAU CET		-16 12 00.50		-0.1194 +0.85	3.500	1	4.220	1	4.430	1	G8VP		147986	l	
332	109 PSC	01 42 11.644	+19 50 02.99		-0.0029 -0.10	6.15						DG4		92611		
333	110 OMI PSC		+08 54 24 64		+0.0048 +0.05	4 • 26	2	5.22	2	5.90	2	GBIII		110110		
334	UZ PSC	01 43 04.440	+08 18 34 95		+0.0018 -0.01	6.62	4					A2P	7	110111	٧	
335	EPS SCL	01 43 18.256	-25 18 06 • 64		+0.0117 -0.05	5.31	2	5.70	2			F1V		167275	D	
336	VY PSC	01 43 52.168	+17 09 47.61		+0.0037 +0.01		1				١.	A7N		92622	V	
337	-0- 2 ERI		-53 46 20.62		+0.0150 +0.07		2	5.08	2		•	A0		232520		
338	4 ARI		+16 42 26 49		+0.0036 -0.03			5.720		1.1		B9.5V		92637		
339	53 CHI CET		-10 55 58 88		-0.0103 -0.09		2	5.00	2	5.03	2	F2IV		148036	D	
340	TT PER		+53 29 43.31		+0.0018 +0.01		6		1:			M5	6	22663	V	
341	1 ARI		+22 01 40.32		-0.0012 -0.00		2	6.60	2	7,10	2	KOIII	_	74966	D	
342	AQ CET		-05 06 25 13		-0.0000 -0.02		6		7			MC	6	129519	Ž	-
343	TAU- 2 HYI		-80 25 25 82		-0.0276 -0.06		2		2	6.47	2	DFO		258280	D	
344	54 CET		+10 47 47.76		-0.0049 -0.02		2	6.24	2	6.22	2	FOV		92659	V?	
345	PER		+54 54 03.02		+0.0024 -0.00		١.	2 - 22	١.	7 000		B2V		22690	D11	
346	1 ALP UMI		+89 01 43.73		+0.1811 -0.00		1	2.620		3.000	1	F8IB		308	עם	١
347	2 PER		+50 32 47.91	1.	+0.0015 -0.02		١.	5.560		= 000		B9		22696 148059	۸5	İ
348	55 ZET CET		-10 34 52.90		+0.0024 -0.03			4.860		5.920		K2II			V -	ĺ
349	2 ALP TRI		+29 20 10 14		+0.0008 -0.22		1	3.900	1	3.960	1	F6IV GK1		74996 37587		١
350	55 AND	01 20 10.813	+40 29 02.26	1	-0.0005 +0.00	5.48	1	1	1	1		OUT		3,701		1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION		DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL Mag.	V N		B N		U : N	SPECTRAL CLASS	S N	SAO CAT-NO.	STAR PROP.	G N
36.	45 EPS CAS	01 50 46-378	+63 25 29.89	+0.0049	-0.015	3.380	1	3.230	1	2,610	1	B3IV?P		12031	٧?	
351	1		+19 03 06 11	+0.0055	-0.108	4.674		4.634		4.504		A SI		92680	ח	1
352	5 GAM- 1 ARI		+19 02 57.87	+0.0056		4.593		4.553		4.423		B9V		92681	DV .	
353	5 GAM- 2 ARI			+0.0013			2		2		2	KOIII		110206	۸5	
354	111 XI PSC		+02 56 29 48	+0.0047			4	0.0	_	3.2	Γ.	AO	4	248455	- V	1
355	ETA- 1 HYI		-68 11 25·10	-0.0083		4.410		6.000	1	7.710	1	MAIII		215696	V	1
356	PSI PHE		-46 32 48 92	+0.0069		2.650		2,780		2.880		A5V		75012	٧?	1
357	6 BET ARI	01 51 52.540	+20 33 52 09	+0.0020		4.99	_	4.900	-	12.000	Γ.	88		12038	V?	1
358	46 OME CAS	01 52 04 655	+68 26 26 88	-0.0034			2	5.05	2	4.91	2	AO	•	215697		
359	PHI PHE	01 52 17.503	-42 44 30 · 17	-0.0004			6	~~~	-	1	Ι .	K5	6	12043	٧	1
360	V 391 CAS	01 52 29.590	+69 57 34 28	+0.0007		5.7	١					GGB		75030	V	1
361	7 RR ARI		+23 19 59•23 +37 00 26•51	+0.0151			2	6.73	2	7.64	2	KOIII		55107	D	
362	56 AND			+0.0135		4.680		5.625		6.260		GSIII		248460		-
363	ETA- 2 HYI	01 53 39.936		+0.0733		3.690		4.540		5.000		G5IV		232573	מ	1
364	CHI ERI	01 54 00.023	-51 51 25.74	+0.0043		5.18	1		-	3.300	Γ.	GK4		167416		
365	56 CET	01 54 19.672	-22 46 12.86	+0.0025		4.95	1			1	1	KiP		92721	1	
366	B IOT ARI	01 54 36.827	+17 34 27.51	-0.0065			2	5.07	2	5.16	2	FOIV		75051	DV?	1
367	9 LAM A ARI	01 55 08-1//	+23 21 11.25			5.67	-	3.07	-	3.10		GG7		37665		1
368	3 PER		+48 57 39 10	+0.0010			14		1	1		AO	4	129588	0	1
369	58 CET	01 55 26.761	-02 18 09-14	+0.0024				10.62	7	11.94	7	M2	6	167437	V	1
370	TT FOR	01 55 39.803	-26 43 31 02	+0.0325			2	6.60	2		2	F2	Ĭ	255835		
371	SIG HYI	01 55 53.772				9.5	6	0.00	-	0.51	-	F5	6	167442	V	
372	SV FOR	01 56 06.199	-24 37 19.28	-0.0043		7.0	4		1		1	M6E	4	22817	l v	
373	U PER	01 56 14.804	+54 34 48 93	+0.0036		7.31	4	1	ŀ	1.		F2	6	167451	עמ	1
374	AA CET		-23 09 44.85	+0.0379		2.870		3.155	١,	3,290	li	FOV	"	248474		1
375	ALP HYI	01 57 11.703		+0.0003		5.41	-	7.040	1	3.270	Γ	GM1		167466		
376	57 CET	01 57 24.985		+0.0152			2		2	6.69	2	DGI		110266	V?	
377	112 PSC		+02 51 31.64			4.010		5.570		7.460		MITTI		167471		1
378	59 UPS CET		-21 19 09.71	+0.0094			6	3.370	*	1	1	A2	6	75082	V	1
379	X TRI		+27 38 50 29	-0.0000			2	4.70	2	4.76	2	A4V	"	4554	D .	ı
380	48 A CAS	01 57 48.527		-0.0131		9.2	6	1 70,75	1-	10	1	A	7	148149	٧	
381	XZ CET	01 57 52.603	-16 35 15.23	+0.0032			2	7.03	2	8.36	2	GM5	1	129624	V	
382	AR CET		-08 45 54 46		-0.007	3.31	6	1 , 02	1	0.00	۲	MA	6	4557	V	1
383	V 393 CAS	01 58 27-104	+71 03 26 • 10		+0.031		2	4.96	١.	4.64	2	BBV	"	22859		١
384	4 -G PER	01 58 57.336	+54 14 49 01		+0.003	5.04	15	6.23	2	4.04	٦	G5111		193455	1	
385	PI FOR	01 59 00.799	-30 14 28 88		-0.105	5.35 3.980	2	3.970		4.010	1,	AIV		4560		1
386	50 CAS		+72 10 50.83		+0.029		-	3.910	1	14.010	1	A2	1	12095		1
387	52 CAS		+64 39 40 - 51		-0.009	5.87	1	5.96	2	5.69	2	Bais	1	12097		1
388	53 CAS		+64 08 58 98		+0.001	5.58	2	3.84	2	3.75		A M-AP		110291	DV?	1
389	113 ALP PSC	01 59 27.392	+02 31 23.04	+0.0020		3.82	2	6.63	2	8.45	2	GK5		215739	1	1
390	CHI PHE	01 59 42-158	-44 57 12.68		-0.041	5.14	6	0.03	12	0.40	-		6	22875	V	1
391	XX PER	01 59 47.167	+54 59 32.35		+0.005	8.0		E = 2	12	E 50	12	M2 A2III	"	55218	D	-
392	3 EPS TRI	02 00 02.186	+33 02 38·48		-0.009	5.50	2	5.53	2	5,59	2	AZN	1	4562	1	1
393	47 CAS		+77 02 33 44		-0.052	5 28	1	E -0	1	5 70	2	A3M		129655		
394	60 CET		-00 06 42.26		+0.021	5.43	2	5.58	2	5.70	٦	GSIII	1	4565	D	
395	49 CAS	02 00 40.706	+75 52 34 67		-0.015	5.17	1			1		DF4		75114	Ď	1
396	10 ARI	02 00 48.666	+25 41 44.23		+0.027	5.54	1.	7 700	1.	700	1.		l	37734	Ď	1
397	57 GAM- 1 AND	02 00 49.177	+42 05 27.01		-0.048	2.179		3.389		4.309		KSII		37735	D.	ı
398	57 GAM- 2 AND	02 00 49.967	+42 05 31.35		-0.051	4.979	11	6.189		7.109	1	AOP			D	1
399	61 CET		-00 34 45.10		-0.041	5.93	2	6.81	2	7.31	2	G511-111	1.	129667	1	1
400	51 CAS		+74 20 41 10	-0.0006	1-0.011	7.50	4	1	1	1	1	I AO	4	4570		1

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TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	10	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	MAG.	U N	SPECTRAL CLASS	S N	SAO CLT.NO.	STAR PROP.	
401	NU FOR	02 02 14.967	-29 32 09.81	- 1	+0.0008	+0.010	4.690	1	4.520	1	4.010	1	AOSI		167532	٧v	Γ
402	WZ PSC		+08 00 35.68		-0.0005	-0.031	6.66	4	8.28	7	10.14	7	M4	7	110337	V	ı
403	UZ CET		-10 27 02.20		+0.0001	-0.005	8.6	6		1			M2	6	148198	V	1
404	12 KAP ARI		+22 24 39.37		+0.0013		5.03		5.140				A M		75146		
405	11 ARI		+25 28 01.65		+0.0013		5.99		5.970				BeV		75149	ח	ł
406	VX PER		+58 12 22.87		-0.0011		9.0	6					GO	6	22945	V	ı
407	13 ALP ARI		+23 13 37.07	1	+0.0138		2.000		3.150	1	4.280	1	KZIII		75151	٧?	1
408	54 CAS		+71 19 06 97		+0.0644		6.74	4	- -	1			F8	4	4588	1	١
409	58 AND		+37 37 22.80		+0.0133			2	4.95	2	5.09	2	A5V	, i	55289		١
410	SS FOR		-27 06 05.94		+0.0063		9.2	6	9.270	17	""	-	GO	6	167572	ν	1
			+56 45 20 14	. :	-0.0018		8.3	6	8.44	7			BIIII	7	22971	l v	1
411	• • • • • • • • • • • • • • • • • • •		+40 33 28.27		+0.0018		9.0	6	U				GO	6	37805	ľ v	1
412 413	BX AND 4 BET TRI		+34 45 06.52	1.	+0.0120		3.000		3.140	۱,	3,260	1	ASIII	1 "	55306	'	1
			+25 42 15.50	4.00	+0.0056		5.01	1		1-	10.200	-	F2III		75171		1
414	14 ARI		-02 34 02.60		-0.0071		7.07	4					F8	4	129722		ı
415	62 CET		+56 19 24.78	٠.	+0.0005		7.6	6				ļ	K5	6	22994	V.	ı
416	KK PER		+38 48 16 40		-0.0013		6.05	١	6.030			١.	B9.5V	U	55330	D.	١
417	59 A AND		+19 15 55 60	١.	+0.0062		5.76		0.000			ľ	GM3		92822	"	J
416 419	15 ARI 59 B AND		+38 48 29.64		-0.0008		6.71					1.	A2		55331	0	1
42j			+57 24 38.73		-0.0015		6.35	2	6.68	2	6.25	2	BSTA		23011	D	1
421	5 PER		+25 42 07.42		-0.0005		6.03	-	0.00	-	0.23	-	GK4	1	75188	-	1
	16 ARI		+31 17 30 37		+0.0030		6.15		6.250	1			AM		55338	V?	1
422 423	5 TRI		+08 20 11.89		-0.0095		5.63	2	6.19	2	6.33	2	DF8	١.	110390	· ·	1
	64 CET		-02 n3 34.63		-0.0007		5.93	2	6.90	2		2	GG9		129739		ı
424 425	6 IOT TRI		+30 04 10 90		-0.0049		5.05	٦	0.90	1-	7.00	۴.	G5111		55347	0	١
426	17 ETA ARI	02 09 59.756			+0.0115		5.23						F5V		75204	١	١
427	60 -B AND	02 10 04 462			-0.0021		4.94			l			K4III		37867	V>	-
428	66 CET	02 10 14.099			+0.0244		5.51	2	6.09	۰	6.18	2	DF9		129752	D	1
429	6 PER		+50 50 05 11		+0.0366		5.32	5	6.25	2 2		2	KOIII		23047	"	1
430			+15 02 47.28	1	+0.0066		5.70	2	7.25	2		2	MOIII	1	92841	V?	ľ
43 ₁		02 10 20.747		l	-0.0017		4.37	2	5.25	2		2	GBII		110408		١
432			+66 17 29.32		-0.0010		6.08	٦	3.20	-	3.00	-	DF2+A2		12180	V?	1
			-30 57 27.38	1	+0.0015		5.28	2	5.26	2		ĺ	AIV	l	193573	١,	1
433 434	MU FOR V 354 PFR		+55 45 51.38		+0.0001		7.77	5	7.93	7			BOILL	7	23099	· v	١
435		02 12 18.184			+0.0028		8.3	5	7.090	Ľ			NB	5	92853	v	1
436	1 111		+57 30 46.97	٠.	-0.0007		8.8	6	9,13	7			BSIV	7	23102	v	1
437		02 12 52.364		١.	-0.0065		5.57	"	3010	1	1		DF4	l '	75238		ı
43g	21 ARI		+25 33 07.22		+0.0130		5.79	2	6.23	2	6.27	2	DF3		75239	l	I
	20 ARI			:	-0.0014		5.24	-	5.230	1-	0.27	ا ا	B9.5V]	55397		١
439 440	7 TRI P1 - 1 HYI		+33 07 38.97 -68 04 28.80		+0.0074		5.55	2	7.10	2	8.94	2	GM0	1	248518		1
					+0.0023		7.3	4	4 4 7 0	15	0.77	-	M3E	4	75245	l v	1
441	R ARI	02 13 16.060			-0.0011		8.5	6	8.74	7		1	BIIII	7	23116	ľ	1
442	V 356 PER		+56 53 56 10		-0.0048		7.7	6		7	[* : ·	[BZIB	7	23117	v	1
443	V 357 PER		+56 29 15 68		-0.0015		8.2	6	8.20	7			BILLIPE	7	23124	v	1
444	V 358 PER		+56 32 19.17				4.87	2	5.48	ź	5.50	2	GOV	l '	55420	D	1
445	8 DEL TRI		+33 59 47.61		+0.0928		4.010	15	4.030			1	AOV		55427		Į
446	9 GAM TRI		+33 37 01.46	ļ	+0.0070			2	6.99	2	,	2	GK3		248521		ĺ
447	PI - 2 HYI		-67 58 40.23	ļ			5.69	ام			8.47	٦	GK3		23143		١
448	B PER		+57 40 09.33		+0.0076		5.75		6.920	2	7 00	12	GBIII		129798		١
449	67 CET		-06 39 05.98		+0.0059		5.51	2	6.47	1	7.22	2					١
450	7 CHI PER	02 14 32.316	+57 17 09.57	l	-0.0023	+U•UIU	6.00	1	7.050	1	1 .	1 .	IGG6	ı	23149	D	- 1

IUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	N N	BLUE MAG.	B N	UV MAG.	N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	.0
451	PHI ERI	02 14 43.421	-51 44 34.89		+0.0102	-0.022	3.565	1	3.445	1	3.055	,	BBV		232696	n	+
452	SU TRI	02 15 13.329	+31 31 07.52		+0.0014	+0.001	9.1	6		Ι-	0.,,,,,,,	1	00.	ļ	55442	l 'v	
453	22 THE ARI	02 15 20.327	+19 40 15.22		-0.0008	+0.003	5.57	_	5.580	{			AIV	'	92877	l .v	
454	÷H PER	02 15 42.013	+56 56 22.44		+0.0005		6.66	4	3.333			l	Bo	-4	23182	0	
455	AS CET	02 15 44.303			+0.0005	+0.041	8.0	6	9.57	7		l	M2	6	148319	ľv	
456	T PER	02 15 45.586	+58 43 53.52	1	-0.0041	-0.008	8 • 34	4			N. A.	1	K5	4	23183	ľ	1
457	62 -C AND	02 16 02.464	+47 09 01.73		-0.0058		5.02		1				Ai	1	37948	*	1
458	10 TRI	02 16 02.723	+28 24 46.35		+0.0008	-0.002	5.23		5.270				A2V		75276	D	1
459 460	23 ARI	02 16 21.609	+19 27 35.85	١.	-0.0014		6.84	4					F8	14	92884	1	
461	68 OMI CET	02 16 49.045	-03 12 13.39		-0.0008		3.040	1	4.460	1	5,550	1	GM6E	i '	129825	DV	1
462	VZ CET	02 16 56.774	-03 11 42.94		-0.0004		9.1	6					МО	6	129828	ľv	
. 463	AD PER	02 16 56 982	+56 45 51 51		+0.0010		7.2	6					M2-M3IAB	7	23207	V	
464	FZ PER	02 17 27.062	+56 55 47.62		+0.0013		7 • 8	6			100		К5	6	23217	V	1
465		02 17 38.721	+49 55 24 13		+0.0035		5.58		5.440				A SI		37960		1
466	PR PER SU PFR	02 18 07.954	+57 38 05.56	195	-0.0002	+0.007	8•6	5					K5IBE-M2I	7	23234	l v	1
467		02 10 55.12/	+56 22 35.40		+0.0002		7.7	6			1000		M3.5IAB	7	23250	V	1
468	-	02 18 51.207	+55 37 05.42		-0.0001		5.17	2	5.54	2	5.43	2	A2IA		23256	ס '	1
469		02 18 51.327	+55 52 55 18		+0.0012		8 • 5	6				-	M4	6	23257	v ·	
470	—··	02 19 15.115	+58 21 33.90		+0.0009		7.2	4	*				M5	4	23261	v	
471		02 19 22.723	+00 10 05.62		-0.0011			2	6.92	2		2	GM2		110495		
472	70 CET	02 19 39.354	01 06 42.00		-0.0018			2		2	5.83	2	A5		129858		
473		02 20 15.244	-24 02 33 76		+0 • 0144			2	5.80	2			GIV		167736		
474	TZ CET	02 20 15.782		1	+0.0011		8 • 7	6					M3	6	148361	v	1
475	64 AND	02 20 51.202	-68 53 11.84		-0.0079			2	4.12	2	4.17	2	A2V		248545		1
476	10 PER	02 21 04.737		· · · · · · · · · · · · · · · · · · ·	+0.0025		5.33	- 1	3 - 3 - 3		100		GSIII		38005		1
477			+56 23 04.15		-0.0002			2	6.55	2	5.94	2	821A		23304		ì
478		02 22 07.978	+10 23 06.91		+0.0013		5.49		5.380				86		92932		1
479		02 22 16.474	+50 03 13.03		+0.0025			2	6.23	2	8.13	2	K4III		23319		1
480		02 22 25.959			+0.0004			5				- 1	B6V	7	23321	V	
481		02 22 26.587	-03 00 19.47	· F	-0.0004			2	6.33	2	6.19	2	AO		129888		
482		02 22 33.336		- 1	-0.0191			2	6.10	2	7.14	2	KOIII		255880		1
483	and the second s	02 23 28.709	-00 24 10.98		+0.0007			4				I	M4E	4	129898	· V	1
484		02 23 29.948	-60 32 06.99		-0.0088		5.35	2		2			F2IIIP	ļ	248555		
485		02 23 31.955	-12 30 54 · 30		-0.0012		4 - 89	2		2	4.82	2	B9V		148385		
486	AB CET	02 23 37.625 02 24 29.556	133 33 54 37		-0.0044			2	5.97	2	6.06	2	A7P	2	148386	DV	1
487		02 24 27 202	150 00 51 56		-0.0021		5.72	- [- [GK1		55570		1
486	66 AND 25 ARI	02 24 29.696 02 24 43.583			+0.0038		6.14						DF1		23353		١.
489	IOT CAS	02 24 54.856	+09 58 38.74	- 1	-0.0195			4	.			.	GO	4	110537		1
490	KAP ERI	02 25 09.162	-47 F5 30 34	. 1	-0.0025		4 • 53	2	4.66	2		2 [A.P		12298	DV	1
491	12 TRI	02 25 13.653	120 06 E0 04	1	+0.0022		4.25	2	4.11	2	3.61	2	BSIII		2159n6		1
492	RS CET	02 25 26.241	-00 00 06 36		-0.0011		5.28				- 1	\$	GA7		75382		ĺ
493	73 XI - 2 CET	02 25 29.791	-00 UU UD:30		-0.0003			6		_			G5	6	129921	٧	1
494	13 T _R I	02 25 52.026	+20 17 13 15		+0.0025			2	4.13	2	4.12	2	B9III	- 1	110543		ĺ
495	PHI FOR	02 25 54.739	-34 02 03 17		-0.0053		5.79	_				- 1	DG0	- 1	75391		İ
496	26 UU ARI	02 27 49.855	410 78 07 47	. [+0.0011					2	1		AZIV	- 1	193723		Ι.
497	27 ARI	02 28 07.666	117 20 03 65		+0.0058		6.08			7	_ 1		A4N		92979	V	
498	TV HOR	02 28 46.315	-EB 01 E 00		+0.0021			2		2	7.68	2	KOIII		92983		11.
499	14 TRI	02 29 02.538	-35 DI 51+68		+0.0045			4	8.35	7		- 1	MSIII	7	232795	V	į
500	75 CET	00 20 36 E43	-01 15 17 01		+0.0038		5.23		_				K5III		55635		1
~~0	YE!	02 29 36.563	-ul 15 17.21	- 1	-0.0020	-0.033	5.35	2	6.37	2	7.21 2	2 1	GG3	1	129959		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

UMBER	STAR LESIGNATION		DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N		B N		U N	SPECTRAL CLASS	-5 N	SAn C:T.NO.	STAP PROP.	1
		U2 29 42.948	-15 27 47-46		-0.0053	-0.117	4.75	2	5.20	2	5.19	2	F5V		148445		1
501	76 SIG CET	02 30 09.550		1.	-0.0014		6.01	_					DF7		0290B	1	١
502	29 ARI	02 30 03.330			-0.0025		8.6	6							38115	٧	1
503	UX AND V 362 PER	02 30 30.935			+0.0009		8•8	6	9.29	7			BOIII	7	23434	V	١
504	V 362 PER		-34 52 08 82		-0.0016		5.88	-	, . . .				GKO		193763		
505 506	U CET	02 31 19.619			+0.0017		6.6	4					M3E	.4	148467	, V	
507	OME FOR		-28 27 04.49		-0.0017		4.890	1	4.830	1	4.690	1	В9	1	167892	D.	
	77 CET	02 32 14.490		-	+0.0039			2	7.15	2	8.80	2	GK4	1	129984		
506 509	CC ERI	02 32 28.419	-44 00 38-91		+0.0053		8.8	6					K5	6	215947	V	
516	MU HYI		-79 19 40 34		+0.0460		5.28	2	6.26	2	6.99	2	GUIII		255898	1	
511	15 TRI	02 32 44.239			+0.0024		5.45						GM3		55687	DV?	
512	79 CET	02 32 49.378	-03 46 20 13		-0.0103		6.78	4					GO	4.	129902		
513	78 NU CET	02 33 14.793			-0.0021	-0.021	4 • 86	2	5.72	2	6.25	2	GSIII	ĺ	110635	U	
514	80 CET		-08 02 53.22	٠.	-0.0026	-0.057	5.53	2	7.12	2	9.05	2	MOIII	1	130004	١	
515	CO ERI	02 33 46.722	-45 17 12.97		+0.0031	-0.003	9.4	6			14		G0	7		٧	
516	31 ARI	02 33 54.028	+12 13 55.04		+0.0189	-0.081	5.64		_	1			DF5		93022	1	
517	10T- 1 FOR	02 33 59.875	-30 15 42.80		-0.0013		5.75	2	6.77	2			G5		193795 75470	n	
518	30 B ARI	02 34 04.321	+24 25 54 . 18		+0.0105		7•37	1					DF6	1	75471	D .	
519	30 A ARI	02 34 07.115	+24 25 51.35		+0.0100		6.57						DF5		23484	l 'v	
520	YZ PER	02 34 46.856	+56 49 49.37		-0.0002		7.7	6				1.	MZ	6	193811	l .	
521	LAM- 2 FOR	02 34 54.007	-34 47 27.43		-0.0015		5.79	2	6.45	2			DG1		38184	lν	
522	CR AND		+46 20 32 68		-0.0002		8.9	6	, ,,	١,	7	١,	GG5		130026		
523	B1 CET	02 35 10.495	-03 36 41.63		+0.0024		5.65	2	6.67	2		2 7	A2	_	215966	l v	
524	CS ERI	02 35 10.864	-43 10 47.27	1	+0.0080		9.0	6	9.16	Ι′	9.29	l'	N3	6 7	55730	ľ	
525	UY AND	02 35 13.099	+38 57 33.76	١.	-0.0400		9.5	6	5.58	2			A5	1 '	232835	1 '	
526	ETA HOR		-52 45 31.96	İ	+0.0093		5.31	2	5.500	١٢		1	A7V		75495		
527	32 NU ARI	02 35 58.270	+21 44 46.88		-0.0006		5.34	2	6.31	2		ŀ	DF6	1	193829		
528	10T- 2 FOR	02 36 09 263	-30 24 31 20		+0.0076		7.8	6	0.51	٦			09.5111	7	12383	יסע	
529	V 482 CAS		+61 04 06 36		+0.0015		4.06	2	3.85	2	2.97	2	BZIV	1	110665	l v	
530	85 DET CEL		+00 06 50 • 00		+0.0006		4.84	2	5.29	2	5.28	2	F5IV-V	1	148528	ח	
531	83 EPS CET		-12 05 00.36		+0.0096		8.6	6	3.2	-	3.20	-	AZ	6	12388	v	
532	DO CAS	02 37 34 524			+0.0025		5.29	١	5.380	1		l	A3V	"	75510	מ	
533	33 ARI		+26 50 50 75	1	+0.0087		4.750	1	4.810		4.870	11	AZV		215996	D	
534	-S ERI	102 37 33.300	-43 06 19.75 +30 59 10.46	1	-0.0000			6	''	-		1	MC	6	55784	V	
535	Y ARI		+34 18 10 - 09		+0.0014		1	6		1	i		MR	6	55785	V -	
536	W TRI	02 38 27 430	-00 54 26 44	1	+0.0140			2	6.23	2	6.21	2	DF6		130055	D	
537	B4 CET	102 30 40 013	-40 04 06.78		+0.0117		4.110		5.130		5.870		KOIII	1	215999	1	
538	IOT ERI	102 30 41.023	-68 28 50.94	1	+0.0171		4.11	2	4.05	2	3.91	2	B9III		248621	1	
539	EPS HYI		+39 59 01.47	1		-0.184	4.92	2	5.51	2	5.65	2	F9V		55793	٧?	
540	12 PER		-54 45 48.15	1		+0.006	5.26	1		1			DF5	1.	232857	1	
541	ZET HOR	02 39 27.182	+54 53 38.58	1		-0.020	5.65		5.520	1		1	B8	1	23555	1	
542	11 PER 34 MU ARI	02 30 30 LINE	+19 47 58 68	1		-0.040	5.66	1	5.640				AOIV-V	1	93062	D	
543			-22 49 06.26			-0.023	8.0	6	9.49	7		1	M5	6	167977	٧	
544	AT CET	102 39 47.143	+10 31 46.85	1		-0.018	6.30	2	6.36	2	6.42	2	A2V		93067	۸3.	
545			+27 29 44.29	1		-0.007	4.67	2	4.54	2	3.91	2	B3V		75532	1	
546		02 40 30.031	+03 01 34.05		1	-0.148	3.470		3.560	1	3,630	11	A2V	1	110707	ח	
547	B6 GAM CET	02 40 42.391	-26 19 50.70			-0.032	8.6	6		T	1		M3	6	167998	V	
548	X For	02 40 43 301	+49 01 06 44			-0.083	4.13	2	4.62	2	4.62	2	F7V	1	38288	D	
549	1 13 THE PER	1 02 40 40.270	11442 NT 10444	1	1 10 100 72	-0.004	5.46	1 -	1	1-		1.	GOIB	1	38289	1 .	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	UN	SPECTRAL CLASS	S N	SAA CAT.40.	STAR PROP.	
551	IOT HOR	U2 40 51.285	-51 00 55•10	+0.0349	+0.229	5.41	2	5.97	2			GSIV		232864	1	
552	36 ARI		+17 33 12.67	+0.0027	-0.031	6.34						SK2		93081		
553	TW CAS		+65 30 59 47	+0.0034		8.2	6	100	÷			BB	- 6	12431	V	1
554	89 PI CET	02 41 44.470		-0.0008		4.25	2	4.11	2	3.66	2	B7V		148575	l	1
555	37 OMI ARI		+15 06 04.54	-0.0002		5.70		5.690				B9V	l	93092	1	1
556	38 UV ARI		+12 14 11 49	+0.0082		5.08		5.30	7			ATIV		93083	V .	1
557	87 MU CET		+09 54 15.02	+0.0190	-0.030	4.27	2	4.58	2	4,65	S	FOIV	1	110723	1	1
558	KY PER	02 42 19.630	+47 56 01.03	+0.0000	-0.033	8 • 5	6					B9	6	38304	,V	
559	w HoR	02 42 42.122	-54 30 41.59	-0.0011	+0.004	10.7	7	1				MC	6	232872	V	1
560	1 TAU- 1 ERI	02 42 46.063	-18 46 59.50	+0.0229	+0.042	4.46	2	4.94	2	4.94	2	F6V		148584		1
561	RZ CAS	02 44 22.774	+69 25 32.93	+0.0005		6.3						V5		12445	V .	- [
562	GAM HOR		-63 54 49.81	+0.0036		5.69	1 1	1.5				Ко		248642		
563	CU ERI		-13 53 00.24	+0.0037		8.4	6			12.0		G5	6	148600	٧	
564	ZET HYI		-67 49 35 41	+0.0125		4 • 84	2	4.90	2	4.99	2	A3		248644		
565	39 ARI		+29 02 26 66	+0.0114		4.52	2	5.63	2	6.66	2	KIIII		75578		1
566	ETA-1 FOR		-35 45 29.85	-0.0038		6.51	1. 1	25.0				KO		193916		
567	T ARI		+17 18 07-17	-0.0026		7.4	4					M6	4	73115	٧	1
568	Z ERI		-12 40 04.33	+0.0001		6.4		la tradición				MAIII		148612	V 72	1
569	40 ARI		+18 04 35 88	+0.0031		5.87		E 4E0			ŀ	GK1	1	93118 93127	DV?	1
57u	42 PI ARI		+17 15 27.06	-0.0001		5.21		5.150			-	B6IV	l u		n	
571	UPS- 1 FOR		-37 36 32 08	+0.0057		7.0	4					F2	4	193926	D	-
572	UPS- 2 FOR		-37 36 35 51	+0.0073		8•5	4			1.5		M7	u	23647	ľv	1.
573	w PER		+56 46 37 54	-0.0042		8.2		5.450	١,	6.140		GGIII	4	193931	l '	1
574	BET FOR		-32 36 54 11	+0.0071		4.460 3.790		5.480		7.380		K3IB		23655	D	1
575	15 ETA PER		+55 41 22.43	+0.0023				3.530		3.150		BBV		75596	DV2	-
576 577	41 -C- 1 ARI		+27 03 20.55 +38 n6 50.92	+0.0050 +0.0160		3.630 4.23	2	4.57	2	4.65		F2III		55928		
578	16 PER	02 47 28 879		+0.0009		6.0	-	6.620		4.03	٦	F51-11		12472	V	1
579	SU CAS GAM-1 FOR		-24 45 53.61	-0.0034		6.14	2	7.21	2			G5	1	168081	D	1
580		02 47 44 149		+0.0033		5.39	2	5.41	2		ŀ	Al	1	168082		1
581	GAM-2 FOR NU HOR		-63 00 48.77	+0.0138		5.26	2	5.36	2		1	ÃÔ		248656		1
582	ETA- 2 FOR		-36 n2 59.58	+0.0043		5.82	-	5,50	1		[Ko		193940	ם	İ
583	TX CAS		+62 34 39.72	-0.0038		9.0	6		1			""		12477	"v	1
584	17 PER		+34 51 19.19	+0.0012		4 • 53	2	6.09	2	8.01	2.	KSIII	[55946		1
585	ETA- 3 FOR		-35 52 50.71	+0.0001		5.49	[]		-	"""		GK5		193944		1
586	43 SIG ARI		+14 52 38.06	+0.0022		5.43		5.330				B7V		93144		ı
587	2 TAU- 2 ERI		-21 12 32.91	-0.0038		4.77	2	5.67	2	6.28	2	KOIII		168094	0	
588	RR ERI	02 49 47.096		-0.0004		8.0	6			l		MSIII	7	130157	V	1
589	20 PER		+38 08 06 - 74	+0.0040		5 • 25						F4V		55975	DV?	
590	18 TAU PER	02 50 41.856		+0.0000		3.950		4.700		5,160		G5III+A5	1	23685	DV3	1
591	NU HYI	02 50 46.274		-0.0071		4,755		6.085		7,645	1	GK4	1	255929		
592	PSI FOR	02 51 36.750		+0.0040		5.92	2	6.36	2		ľ	DF7		193965		
593	44 ARI		+17 31 57.71	+0.0025		6.93	4					A3	4	93178	1	1
594	45 RZ ARI		+18 07 48.95	-0.0006		5.94						GM6		93189	V	1
595	46 RHO ARI		+17 49 30+02	+0.0193		5.50						DF5		93195	l	
596	3 ETA ERI		-09 05 45 89	+0.0050		3.870	1	4.990		5,970	1	KIIII		130197	٧?	
597	21 LT PER		+31 44 03.08	-0.0C_1		5.10		5.090	1	ł		A SI		56031	V	١
598	4 ERI	02 55 10.270	-24 03 41.80	+0.0069		5 • 45	2	5.68	2			A4	İ	168183		
599	47 ARI		+20 28 10.11	+0.0166	1	5 80	2	6.21	2	6.22	2	DF5		75662		1
600	22 PI PER	02 55 33.275	+39 27 50 67	+0.0025	-0.037	4 • 70	2	4.76	2	4.88	2	A2V	i .	56047	1	1

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TABLE 4 CONTINUED
STAR ASSIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR SESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	7 2		B N	.,	U N	SPECTRAL CLASS	S N	SAN CIT.NO.	STAR PROP.	N
				+0.0041	10 053	5.84	2	7.17	2			GK2		168191		1
601	6 E _K I	u2 55 52.169	-23 46 22.53	-0.0039			2		2	7.47	2	KZIII		56052	! .	ļ.
P05	24 PER	02 55 57.291					2		2		2	A2V	3.7	75673	DV?	1
603	46 EPS ARI	02 50 20.825	1+21 00 53.31 L	-0.0045		2.554		2.674		2.794		A3V	١.	216113	DAS.	1
604	THE- 1 EHI	02 56 21.882	1-40 30 15 15	-0.0062		3.554		3.674		3.794		A2	i	216114	DAS.	1.
605	THE- 2 ERI	02 56 22.578	130 10 33 03	-0.0000			6					Α	6	56066	V	
606	ST PER	02 56 53.837 02 56 56.971		-0.0003		8.6	6		1			AO	7	1108A7	V	1
607	XY CET	U2 56 56.971 U2 57 01.871		+0.0002			2	4.58	2	4.13	2	BSIII	1	110889	1	1
608	91 LAM CLT	U2 57 U1.871	-02 70 46 32	-0.0011			2	5.48	2		2	89		130228	\ \?	1
609	5 ERI	02 57 23.999	25 29 20 57	+0.0130			ž	6.11	2			A9N	l	168209		
610	ZET FOR	u2 57 50.778	-64 16 10 53	+0.0032			2		2	5.27	2	A5V		248701		
611	BET HOR	02 58 19.598	07 04 37 63	+0.0010			2	7.88	2		2	GM1		130242	V	1
612	7 CV ERI	02 58 19.398	-07 51 31.98	+0.0062			2	6.80	2		2	DG6	İ	130243		
613	8 RHO- 1 ERI	02 50 42 303	+26 15 56.98	-0.0011		5.86	-	6.000				AM	1	75693		1
614	49 ARI	102 50 30 907	+79 13 26 • 34	-0.0129		5.46				100		M1III?		4810	Ü	
615	L 47 CEP	02 59 21 20	+26 24 56 33	+0.0176			4		1.5			G0	- 4	75696		
616	51 ARI	02 39 27 770	-28 16 54 52	+0.0205		5.89	2	6.68	2			GSIV		168238	1	
617	EPS FOR		+03 53 41.15	-0.0008		2.530		4.170		6.100	1	MSIII		110920		1
616	92 ALP CET	02 59 39.744	+04 09 24 69	+0.0007		5.62	2	5.52	2		2	B7III		110921	1.	1
619		02 00 11 170	-23 49 10.10	-0.0107		4.090		4.250		4.330	1	A5V		168249		1
62 ₀ 621	11 TAU- 3 ERI 9 RHO- 2 ERI	113 00 14.892	-07 52 51.43	+0.0028		5.32	2	6.26	2	6.99	2	GG5	1	130254	ר	-1
622	23 GAM PER		+53 18 44 28	+0.0000		2.930	1	3.630	1	4.080	1	G81112+43	•	23789	D	1
623	CW ERI		-17 55 56 91	+0.0041		7.8	6					FO	6	148743	V	
624	-K PER		+56 30 40 - 39	-0.0019		4.93	1					KOII-III		23791		
625	10 RHO- 3 ERI	03 01 48.952	-07 47 43.01	+0.0034		5 • 26	2	5.46	2	5.55	2	A4		130269		1
626	25 RHO PER	03 01 57.795		+0.0111		3.390	1	5.040	1 .	6.830		M4II-III		56138	_ V	ŀ
627	THE HYI	03 02 08 283		+0.0065	+0.019	5 • 53	2	5.39	2	4.88	2	B8	F	255945	D	
628	V HoR		-59 07 38 16	+0.0076	-0.005	7.0	4		1.			MB	4	232977	V	1
629	MU HOR		-59 55 52 17	-0.0093			2	5.45	2			DF2	ļ	232981		ł
63ú	52 ARI	03 02 30.350	+25 03 43.21	+0.0002		5.36		5.340	1		1	B7V	1	75723	D	
631	HX CAS	03 03 15.350	+67 23 07.56	-0.0018		8 8	6		l_		l	201	7	12609 56158	V	Т
632	V 383 P≟R		+33 25 58 11	+0.0011		7.7	6	7.69	7		1	B9V	1 ′	93294	ľ	
633	53 UW ARI		+17 41 17.98		+0.010	6.06	١.				١.	82V 88V		38592	DΫ	1
634	26 BET PER	U3 04 54-356	+40 45 52.46		+0.002	2.120		2.070		1.700		GOV		38597	1 00	1
635	IOT PER	03 05 26.709			-0.078	4.050	1	4.650	1	4.760	1			93293		-1
636	54 ARI		+18 36 16 03		-0.013	6 • 34	-	0 000	1-		1	GMO A2	6	93297	V	
637	X ARI				-0.070	9.0	6	9.280	1"		1	^4	ľ	12631	v	1
638	YY CAS	03 05 56 365			+0.041	8.7		4.790		5.620	١, ١	KOIII	1	38609	777	1
639	27 KAP PER	u3 06 u6.756	+44 40 10 21		-0.153	3.810	1 .	5.750		3.020	1	B7V		75757	1 "	ı
640	55 ARI		+28 53 15 10		-0.010	5.62	6	3.730	1 .		1	B9	6	23850	V	1
641	AY PER		+50 44 33 16		-0.011	8.7	2	5.75	2	6.77	2	KOIII	١٠	56224		1
642	28 OME PER	1 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+39 25 23 39		+0.008		6	3.73	1-	0.77	1-	B8	6	23874	Ιv	-
643	V 368 CAS		+59 43 55 83		+0.003	8.5	2	5.40	2	6.26	2	KZIII	1	93328	V?	
644	57 DEL ARI	1.70	+19 32 20 22		-0.007	4.37 5.67	1	5.580		0.20	1	AP	1	75788	V	
545	56 SX ARI		+27 04 11 60		-0.013	8.6	6	7.500	1.		1	Ĝ5	6	38651	ľ	1
646	LX PER		+47 55 23 23		-0.063	3.850		4.360	1,	4,410	1	FBIV	1	168373	DV?	.
647	ALP FOR		-29 10 59 42		+0.644			7.300	1	7.710	1	B5	4	23896	V	- [
648	CC CAS	03 10 07.408	+59 22 38 48		+0.004	7.09		5.63	10	5.75	2	F8V		130355	D	1
649	94 CET	03 10 13,156	-01 22 54.84		-0.063	5.06	2	8.01	2	3.13	1	NA	1	233037	V	1
650	TW HoR	1 03 11 16.947	-57 30 29.47	+0.0016	1+0.13	5.74	12	0.01	1-	1	1	1170	1	1	1 .	-1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR LESIGNATION	RT. ASCEN. HP MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	N: N	BLUE MAG.	B N	MAG.	N	SPECTRAL CLASS	5 1]	5A7 CAT.+10.	STAR PROP.	
	TV CET	n3 12 00-317	+02 34 09.84		+0.0009	+0.015	8 4	6					FO	6	111068	y	1
651			+20 51 37.93		-0.0019		4.89	2	4.87	2	4.86	2	AOIV-V	'	75810		١
652	58 ZET ARI			1	-0.0006		4.80	Ş	5.03	2	5.12	2	A M		130387		ı
653	13 ZET ERI		-09 00 15.50	1	+0.0013		9.0	6	3.00		5.1.	_	v	6	168423	v	1
654	κΥ FoR		-24 52 33-62	1	+0.0201			2	5.64	2	5.75	2	AAN	•	4875	DV3	
655	48 CEP		+77 33 14.61		-0.0008		6.14	2	6.54	2	6.50	2	DF4		130395		
656	14 EKI		-09 20 18-49		+0.0030		5.47	2	5.41	2	5.07	2	Bav	100	38704		
657	30 PER		+43 50 34 19				5.15	5	5.09	2		2	B3V		23944	100	
658	29 PER		+50 02 26 47		+0.0031		5.03	2	4.97	2	4.44	2	B5V		38714	1	
659	31 PER		+49 54 50 23		+0.0165		5.37	2	6.41	2	7.22	2	KIIV		130408	7	
660	95 CET		-01 06 39.98		1			5	5.78	2	1.22	-	666	1.	168452	0	
661	15 ERI		-22 41 34.59		+0.0010			2	6.18	2		l	G2V		248770	"	
662	ZET- 1 RET		-62 45 57 85		+0.1946		5.54	5	5.52	2	5.71	2	G5V	1	111120	VЭ	
663	96 KAP CET		+03 11 17.27		+0.0178		4 - 84	۱ -	2.52	-	***		\$GG5	'	75863	1	
664	59 ARI		+26 53 30 43		-0.0019		5 • 86	_			1	ŀ	100.1		56354	l v	
665	UZ PŁR		+31 50 29 15		+0.0006		8.9	6	5.84	2	F 14 1		G1V		248774		
666	ZET- 2 RET		-62 41 47.77		+0.1936		5.24	2	5.96	2	5.96	2	F2		255973		
667	IOT HYI		-77 34 17.51		+0.0351		5.52	5	5.320		7.130		GM3	'	168460	DV	
668	10 TAU- 4 ERI	03 17 17 471			+0.0034		3.700	1	3.320	1	7.130	1	GK3		75875		
669	60 -C- 2 ARI		+25 29 02.65			-0.084	6.30		" 000		5 200		G5V		216263		
670	-E ERI		-43 15 35.73		+0.2783		4.270		4.980	1 2	5.200	2	A3V		38750	V?	
671	32 -L PER		+43 09 01.96		-0.0054		4 • 95	2	4.99	2	2.00	1	B5V	١.	75886	1 "	
6/2	61 TAU ARI		+20 58 05·58		+0.0019		5.18	1		_	7 40	_	GGB		111142		
673	97 CLT		+03 29 48 63			-0.022	5.69	2	6.66	2	7.42	5	GG5		75892	İ	
674	62 ARI		+27 25 45.84		+0.0007		5.54	6				1	K7	6	1684A3	V	
675	VW ERI		-21 38 09 20			+0.020	8.8	°.				l.	K3111	, n	75899	1 '	
676	63 ARI		+20 33 52 25		1	-0.020	5.14	١.	0 070	١.	0.000				38787	V?	
677	33 ALP PER		+49 41 06 • 03			-0.022	1.790	1	2.270	1 +	2.660	12.	F5IB		75912	١ ٧٠	
678	64 ARI		+24 32 54 53			-0.043	5.58	1	F 200				GK4		75915		
679	65 ARI		+20 37 38 96			-0.004	6.03	١.	5.980	١.		١.	AOV		111172	V >	
680	1 OMI TAU		+08 51 15.25			-0.075	3.600		4.490	1	5.110	1	GSIII	١.	148953	v	
681	VX ERI		-12 31 48.47			+0.012	8.7	6		1_		-	M3	6	75927	V	
662	UX ARI		+28 32 32 35			-0.106	6.51	4	7.42	[_	7.90	7	G5V+K0IV:	7	194289	V2	
683	CHI-1 FOR		-36 05 42.54			-0.004	6.39	2	6.47	2		١.	A2		111195	V.	
684	2 XI TAU	03 24 27.329				-0.035	3.750	1.7	3.660	1	3,330	1 .	88P		75945	0	
685	66 ARI		+22 37 59.76			-0.101	6.00			1_		1	SGG6	1	194312		
686	CHI- 2 FOR		-35 51 15.67			-0.009	5.71	2	7.00	2	1	١,	K0		38872	D .	
687	34 PER		+49 20 15.04			-0.024	4.67	2	4,58	2	4.01	2	B5V		194318	l D	
688	CHI- 3 FOR		-36 01 31.66			-0.000	6.50	2	6.63	2		I	AO_	4	56496	V	
689	R PER		+35 30 01.93			-0.008	7.9	4		1	1		M2E	4	38890	V2	
690	35 SIG PER		+47 49 27.84			+0.023	4 • 38	2	5.72	5	7.25	2	K3III		168584	V	
691	T FOR		-28 34 26 07			+0.006	9.2	6					B9.5V	. :	93463	Y	
692	4 -5 TAU		+11 09 58 68			-0.015	5.11	_	5.080	100		١,			93469		
693	5 -F TAU		+12 46 00+30			+0.002	4.10	2	5.23	2	6.25	2	KoII-III	1	130528		
694	17 -V ERI		-05 14 43.17			+0.010	4 • 73	2	4.64	2	4.37	2	B8V F5V		248819	D.	
695	KAP RET		-63 06 47.94			+0.376	4 • 71	2	5.10	2	5.06	2			38924	, A.S.	
696	36 PER		+45 53 21.30			-0.066	5 • 32	2	5.73	2	5.71	2	F4III			V V	
697	TU HOR	03 29 00.677	-47 32 42.31	1		+0.023	5.99	2	6.10	2	1	1	A2V		2:6357	1 -	
698	KP PER	U3 29 12.536	+44 41 14.08	3		-0.010	6.40	2	6.43	2	5.70	2	BZIV		38927	V	
699	6 -T TAU		+09 12 21 13			-0.041	5.77	2	5.69	2	5.39	2	B8	1 .	111246		
700	AS ERI	03 29 54 634	-03 28 52.48	3	1-0.0030	-0.033	8.2	6	1	1 .	1	1	AO	. 6	130554	V	

TABLE 4 C . TIME:
STAR PESIGNATIONS AND STAR DATA ORDERS! SY PISHT "SCEMSIO", (1940.0)

YUMBER	STAR _ESIGNATION	FT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM			٧ ٧		P N	. 1/4 *	U. N	SPECTRAL CLASS	S N	SAT C.T.NO.	STAP PPOP.	1
701	I. PĘR	U3 30 15.704	+39 43 57.35		+0.0005 -	0.037 5	• 130°		5.910				Δ 14		56538	ν	1
702	HZ FLR		-25 49 35 - 35		-0.0016 -0	0.004 8	• (1	6					M5 .	6	168619	· v	1
763	1 ErS ERI		-09 37 34.76		-0.0662 +0		- 730	1	4.610	1	5.190	1	K2V		130564		Т
704	7 TAU		+24 17 53.88	ì,	+0.0006 -0		•90		6.030				A3V		75999	ח	ı
	19 TAU- 5 EnI		-21 47 57.95	100	+0.0029 -1			2	4.16	2	3.81	2	BaV		168634	1	1
7u-		33 31 34 037	+31 51 04.17		+0.0041 -			6		_			FO	6	56559	V	-
7u.	IX PER	7 3 11 505	-39 34 41.88		-0.0011 -0			6		1. 1			Α0 .	- 6	194393	V	1
707	I/3 Ta		+48 01 41.40		+0.0025 -		-23		4.17	2	3.61	2	B5E		38940		1
708	37 PSI PER	03 32 33.512	-17 37 53.15		+0.0014 -0			2	5.10	2	3.00		AOSI	1 1	149063		١
709	žú E _R l	3 34 00 593	77 7 53 13		-0.0010 -			4		-			AOP	4	76029		1
716	UمِTِ ب	03 34 01.282	+23 02 49.72		-0.0157			2	4.85	ا و ا	4.93	2	F8V		111292		١
711	1, T _H U	03 34 19.095	+00 14 39 54		-0.0013		580		5.620		6.390		KOIII		216405		1
712	-Y Ē⊬I	63 35 17.911	-40 26 15.91		-0.0013 -			2		2		2	DK1		130634		ł
715	cl EKI		+05 47 66 61		+0.0014 +			2		2	. •		AOV	1 1	168701	1	1
/14	TAU FUR		-28 06 19 13		-0.0026 +			2	6.51	2	7.18	2	GG6		111334	Ī	١
715	TAU		+02 53 44 19		+0.0034 +		•6	4	0.0	-	• • • •		NB	4	12870	Ιv	-1
710	U CAM		+62 29 18.79		+0.0007 -		02	7	6.080			. 1	A2V		76073		1
717	11 TAU	u3 37 46.777	+25 10 09+75	1 .				2	5.38	2	4.81	2	B8	ł	130652		- 1
718	EHI		-05 22 15.47		-0.0005 -			7	5,50	ا " ا	4.01	-	G	6	233216	V 1	١
719	kR HoR		-52 53 21.12		+0.0151 -		96	. ' l	4.940				Bo•5V	l `	56646	D	١
720	40 -0 PER		+33 48 22+37		-0.0004 -		010		2.890		2,380	۱, ۱	85111	i	39053	٧?	١
721	39 DEL PER		+47 37 46 34		+0.0028 -		-56	1	5.550		2,000	1	B8V		93557		
722	13 TAU		+19 32 29 98		+0.0001 -			. 1	4.840		4.240	1	B5	1	194467		
723	DEL FCR		-32 05 49.36	1	+0.0004 +		000 5.540		4.460		5.130		KOIV		130686	1	1
724	25 DEL ERI		-09 55 53.05		-0.0067 +		•14	2	7.15		7.89	5	KOIII	1	93568		
725	14 TAU		+19 30 30 60	1	+0.0082 -		585		5.785		7.095		GK2		194475	ם ו	١
726	−H ERI		-37 28 13 25		+0.0079 -		830		3.88	ī	3.130		BIIII		56673	οv	١
727	38 OMI PER		+32 07 53 47				7.7	4	3.00	-	3.130	11	MB	4	594	v	
128	SS CEP		+80 10 05.66		-0.0019 +		770		4.190	١, ١	4.510	١, ١	FSII	7	39078	DV?	
729	41 NU PER		+42 25 20 61		-0.0012 +			2	5.42	2	5.09		B7IV		76126		
730	16 TAU		+24 08 01 54		+0.0009 -	0.043	•46 •700		3.580		3.180		Beili		76131		ı
731	17 TAU		+23 57 27.82		+0.0014 -			2	5.15	2	4.76	2	B7IV	1	130698	1	
732	24 ERI		-01 19 10 07		-0.0002 -		25	2	5.58	2		2	BeV	ŀ	76137	1	
733	18 TAU		+24 41 02.03		+0.0015		•65	2	4.19	2	3.73	2	B6V		76140	1	
734	19 -0 TAU	03 42 13.572	+24 18 42.91		+0.0014 -		+•30 ••55	2	6.97	2	8.69	2	K4TII	1	130704	1	
735	25 EKI		-00 27 09.50		+0.0035 +				3.800		3.400	15	B7111	1	76155	V.5	
73 ₆	20 TAU		+24 12 47.01		+0.0015		870				5.49	2	BaV		76159		
737	21 TAU		+24 24 00.00		+0.0009 -		•76	2	5.72	2	4.63	2	B3V		111400	D	
738	29 -U TAU		+05 53 41.52		+0.0010 -		35	2				2	B9V	1	76164	1 "	
739	ZZ TAU		+24 22 24.38		+0.0011 -		5.43	2	6.41	5	6.26	2	B6IV	1	76172	1	
74υ	23 TAU		+23 47 38 99		+0.0016 -	0.042	•18	2	4.12	2	3.70		KOIV	1	248877	1	
741	BET RET		64 57 50 21		+0.0495 +		850		4.985		6.095			1	149158	V	
742	Zo PI ERI		1 -12 15 25.99		+0.0028 +		+-42	2	6.04	2	8.05	2	GM2	-	76184	v	
743	V 534 TAL		+24 39 59 30		+0.0023 -		3 • 4	6	8.76	7	8.88	1	A9V	7	168815	DV	
744	S FOR		3 -24 32 45.66		+0.0007 +		3.2	6		1		1	F8	6		"	
745	24 TAL		1 +23 57 46.99		+0.0016		3•1	4				1	A0	1 4	76192	- n	
746	S1G FOR		3 -29 29 32.61		+0.0000 +		5.90	2	6.02	2			A2		168820	D	
747	25 ETA TAL		+23 57 07.57		+0.0014 -		2 • 870		2,780		2,430		B7III	1	76199	D	
748	27 TAU- 6 ERI		-23 23 46 59		-0.0118 -		+•23	2	4.65	2	4.66	2	F3V		168827		
749	GAM CAN		+71 10 51 59		+0+0044 -		+•66	2	4.69	2	4.76	2	VIEA	1	5006	1	
75g	CD ERI		-08 45 52.32		-0.0012 +	n.nn2 9	9.1	6	1	1	1	1 .	I AO	6	130726	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCEMSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	,	RA PM	DEC PM	WAG.	V N	BLUE MAG.	B N		U N	SPECTRAL CLASS	5 N	5A0 CAT.110.	PROP.	
751	28 TAU- 7 ER1	u3 45 30.513	-24 01 42.50	٦,	+0.0028	+0.050	5.24	2	5.31	2			A2		168836		ľ
	30 -E TAU		+10 59 27.51		+0.0018		6.00	- 1					B3V		93611	UN3.	ı
152			+43 48 37 83		+0.0001		5 - 85				1		FO	6	×9128	V	1
753	V 376 PER RHO FOR		-30 19 03.33		+0.0020		5.54	2	6.52	2			GG5		194535	٧?	
/54			+23 54 07.66		+0.0013		3.620		3.530		3,170	1	BBIII		76228	ייסט.	١
755	27 TAU		+23 59 07.56		+0.0010			2		2		2	BBP		76229	v	١
756	26 BU TAU		+38 49 49.78		+0.0025		9.0	6	0.01	-		_			56726	י ער	1
157	XY PER		-07 10 00 14		+0.0008		7.8	6			100		MB	6	130743	ΙV	1
75 ₆	BR ERI				-0.0023		5.10	Ŭ	5.180				AZV		56727	1 .	1
759	42 -N PER		+32 56 22.93		+0.0044		5.338	2	5.328	2	5.288	2	An		194550	כעח	1
760	-F- 1 ERI		-37 46 26 24 -37 46 19 90		+0.0061		4.778		4.768		4.728		A0		194551	DV2	1
761	-F- 2 ERI	03 46 45.045			-0.0043		4.170		5.120		5.800		GSIII		194559		1
702	-G ERI		-36 21 02 40		+0.0130		3.250		4.870		6.835		MOTII		256029		1
763	GAM HYI		-74 23 33 53					6	7.07.0	•	0,000	-	MC	6	130773	l v	1
764	SU ERI	U3 48 54.689			-0.0011 +0.0005			2	5.73	2	5.30	2	B9		111469	n	1
765	31 TAU		+06 23 09 69				B•5	6	3.73	٦	3.00	۱۴ ا	F2	۴	149215	l v	1
760	BV ERI		-10 40 39.04		-0.0034			6		1		1	1 6		76297	ľv	1
767	BL TAU		+20 03 36 69		+0.0005		5.48	2	5.38	2	4.97	2	B8		130789	ם	I
768	30 ERI		-05 30 33 52		-0.0011		8.6	6	9.780	5	7.71	-	K2	6	24282	ľv	١
769	RW CAM		+58 30 22 13		-0.0018		6.6	4	3.100	'			F5	4	111476	v .	1
770	X TAU		+07 37 26 40		+0.0040		2.850		2.970	١, ١	2.190	١, ١	BIIB	7	56799	002	1
771	44 ZET PER		+31 44 12.55	- 1	+0.0005	-0.009			4.52			2	B5V		168925	""	1
772	33 TAU- 8 ERI		-24 45 33.23		+0.0014			2	4.98	2	4.04	٦	B6IV	1	194608		ı
773	SIG ERI		-34 52 45 21		+0.0027		5•11 6•098	2	6.778	2	7.198	9	AIV		130805	D	١
774	32 -W- 1 ERI	03 51 46.545			+0.0016				5.399	2			GSTIT		130806	່າ	١
775	32 -W- 2 ERI		-03 06 04.36		+0.0016		4.719		8.89	7	5.819	1	F311-111	7	111492	ľον	١
776	V 479 TAU		+05 01 42.86		+0.0017		8.5	6	6.39	2	5.58	2	O PE	. '	56815	να	ı
777	X PER		+30 54 00.82		-0.0010		6.10	5	0.37	15	5.36	1-	F8	6	149243	v	1
776	RU ERI		-15 04 49.56		+0.0007		9+1	6	0			_		, n	24314	י פ	-
779	43 A PER	03 52 52.725			+0.0097			2	5.69	2	5,69	2	F5IV			v	ı
780	T ERI		-24 10 40.65		+0.0030		7.4	4	1, 5,000	1			M4E	t:	168950	V	1
781	TAU		+22 20 08 19		+0.0049		5.69			1		1	DF3	l	76339		ı
782	33 TAU		+23 01 54.79		+0.0007		5.97		5.960			1	B9.51V		76343	1	١
783	PL ERI	03 54 13.932	-09 53 41.18		+0.0027		6.19	2	6.47				F0	6	130833	\ V	1
784	45 EPS PER	03 54 29 432	+39 52 02.53		+0.0015		2.890	1	2.710	1	1.710	1	B0.5V		56840	DV?	1
785	V 386 PER	03 54 49 499	+34 40 18 22		+0.0011		6 • 36					١.	ABV	7	56847	V	
786	34 GAM ERI	03 55 41.672	-13 38 58 17		+0.0039		2.940		4.540		6.520		MOIII	· ·	149283	D	i
787	46 XI PER	03 55 42.825	+35 38 56 50		+0.0003	+0.001	4.040		4.060	1	3,130	1	07		56856	V.5	1
788	IQ PER		+48 no 36 80		+0.0007	+0.009	7.9	6		1			B9	7	39231	V	
789	KY ERI	03 56 42.201	-17 22 16.85		+0.0010	+0.009	9.4	6		1		1	GO	6	149294	V .	-
790	36 TAU- 9 EKI		-24 09 25.12		+0.0004	+0+011	4 • 66	2	4.52	2	4.11	2	A SI	1	169017		
791	35 LAM TAU		+12 21 02 13		-0.0005	-0.009	3.410	1	3.290		2.660		B3V		93719	V	
792	DEL RET		-61 32 27 65		+0.0014	-0.017	4.550	1	6.170	1	8.120	1	MZIII	1	248918	l	1
793	WW TAU		+30 06 56 94		+0.0000		9-1	6	1	1			K7	6	56908	V	- [
794	35 " ERI		-01 41 18 14	- 1	+0.0013	-0.014	5.28	2	5.13	2	4.58	2	B5V		130878		١
795	V 380 PER		+37 55 02.38		-0.0019		7 - 87	4	8.01	7		1	A3P	7	56925	V	ı
796	GAM RET		-62 17 54.81		+0.0003		4.500	1	6.140	1	7.940	1	GM5	l	248925	V	1
797	IOT RET		-61 13 06.50		+0.0092		4.960		6.380	1	8.080	1	GK4		248927		١
798	38 NU TAU		+05 51 07.47		+0.0001		3.910		3.940		4.000		A1V	ı	111579	1	- [
	1		+58 31 25.19		-0.0010		8.0	6	9.030			1	G2IB-K2	7	24392	V	ł
799	RX CAM		+27 59 22.38		+0.0024		8.03	7		7		1	AO	6	76418	V	
800	RW TAU	U4 00 43.530	1151 D. 55.00	- 1			1 - 00	ŀ		1	1	1	1	1	1	1	

TABLE 4 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR ESIGNATION	RT. ASCEN.	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	У И	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAN CAT-NO.	STAR PROP.	Ľ
		nt 01 05 383	+05 17 56 68	-0.0000	-0.007	5.33	2	5.25	2	4.69	2	B3V		111585		ı
801	40 TAU		+23 58 11 82	-0.0002		5.56				7 1	1	F5+A	ĺ	76425	י ני	1
805	36 TAU		+61 39 32 66	-0.0016		7.3	6	40 L				R8	6	13009	٧	1
803	UV CAM				+0.029	8.9	6					MA	6.	194702	٧.	1
804	CX ERI		-39 30 54 46		-0.056	4.37	2	5.44	2	6.39	2	KOIII	ì	76430		ı
805	37 A- 1 TAU		+21 56 49.01	+0.0009		8.0	6		-	0.0		M6	6	149350	V	Ì
806	v ERI	04 02 01.573	-15 51 39.31		-0.133	5.90	2	6.52	2	6.64	ž.	DG1	1	76438		١
807	39 A- 2 TAU		+21 52 31 • 92			4.29	2	4.31	2	4.27	2	B9V		24412	1	ı
808	47 LAM PER		+50 13 03.34		-0.034	1	-	,,,,,	-	, • - (-	BOII-III	i	13030	עני	١
809	SZ CAM	04 03 23.837	+62 11 59 67		+0.010	7.07	١,,	0.01	-	10.70	7	GM4	7	149368	V	1
810	CY ERI	U4 03 30.969	-10 25 48 27		-0.003	7.30	4	8.91		1.0.10	l ′	A ST	l '	76455	ľ	ł
811	41 GS TAU	U4 03 32.044	+27 28 00.58		-0.051	5.19		5.050			Ì		4	56973	'nν	1
812	AG PER	04 03 43.466	+33 18 46 • 54		-0.004	6.61	4		1			83	"	76461	.,,	1
813	42 PSI TAU	U4 03 54.653	+28 52 04-07		+0.007	5.32	ا ـ ا				1 .	DF1 A3	6	169130	V.	1
814	bw ERI	u4 04 33.905	-27 48 U6.35		+0.000	9.2	6		1		1		, n	24431	v	١
815	XX CAM	04 04 46.077	+53 13 43.99		+0.001	7.07	4	١			٦	KO	1 4	57000	l * .	1
816	49 PER		+37 35 53 44		-0.190	6.09	2	7.04	2		2	KIIII			v	٠l
817	48 MX PER	04 05 01.311	+47 34 51.77		-0.028	4.030	1	4.000	1	3.450	11	B3V	1	39336 57006	ח	١
816	50 PER		+37 54 38 68	+0.0139	-0.198	5.47						DF7	١.	194779	۷.	١
819	CZ ERI		-39 37 51.87	+0.0009	+0.000	8.6	6		1		1	МД	6		\ \ \	ı
82 _U	43 TAU		+19 28 43.16	+0.0076	-0.030	5.49	1		-		Ì	GK1		93785	v	ı
821	DD ERI	04 06 30.612	-08 13 54.52	-0.0015	-0.019	8.7	6				l	MC	6	130984	v	
822	SW PER	04 07 24 640	+42 04 50 • 02		-0.010	8.5	6			1	1	MA	6	39354	V	1
823	44 -P TAU	U4 07 46.846		-0.0024	-0.036	5.40	1		1		l_	DF3	1	76495	٧ ا	1
824	37 EKI	04 07 56 008	-07 03 11.61		-0.012	5.44	2	6.38	2	7.05	2	GG6		131001		ł
825	45 TAU	04 08 40.382	+05 23 39.94	+0.0098	+0.011	5.73	2	6.09	2	6.08	2	DF4	1 .	111648	v	1
826	DE ERI	04 08 52 527	-20 10 48-18	-0.0001	+0.002	8.4	6		1.		1.	M2	6	169201	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1
827	DEL HOR	04 09 09 444	-42 07 23 02	+0.0169	+0.067	4.930		5.260		5.330		DFO	1	216682	١.,	1
828	38 OMI- 1 ERI	U4 09 25.339	-06 57 59 74		+0.083	4 • 050		4.380	1	4.530	1	F2III	1	131019	l v	ļ
829	YY ERI	04 09 46 525		-0.0077	-0.122	8 • 4	6		1		1	G5	6	149449	٧.	١
830	46 TAU		+07 35 23+29	-0.0003	+0.009	5.29	2	5.65	2	5.65	2	F3V	1	111672	D.	1
831	ьм ERI	04 11 06.901		+0.0007	-0.027	7.9	6	1		1		M3	6	149466	V	1
832	51 MU PER		+48 17 03.73	+0.0006	-0.016	4 - 15	2	5.10	2	5.74	2	GOIP	1	39404	UAS	
833	47 TAU		+09 08 18.55	-0.0008	3 -0.036	4 84	5	5.64	2	6.15	2	GG5	l	111674	יני	
834	LF ERI		-36 40 16-30	+0.0026	+0.019	8.1	6					MA	6	194838	, V	
835	52 -F PER		+40 21 32.43		-0.023	4.71	2	5.72	2	6.36	2	Gn+A5		39409	_	į
836	39 A ERI		-10 22 44.97		-0.162	4.86	2	6.04	2	7.18	2	KSIII	1	149478	D	Ì
			-50 42 41.98		+0.004	8.5	6			200	1	MA	6	233439	V	
837		nu 12 20 501	-42 25 00 31		-0.208	3.860	1	4.960	1	5,970	1	KIIII	- 1	216710		
838	 A control of the contro		+ +08 46 07.09		-0.022	4.30	2	4.25	2	3,74	2	B3V		111696		
839			7 +15 16 37.43		-0.027	6+32	2	6.72	2	6.74	2	DF2		93836	Λ.5	
840	48 TAU		1 -07 43 45.89		-3,420	4.43	2	5.25	2	5.69	2	K1V	1	131063	מו	
841	40 OMI- 2 ERI	04 12 00 10	1 +62 13 26.91		+0.007	7.37						MA	4	13084	V	
842	ZZ CAM				7 +0.050	3.350		4.260	1	4.890	1	GGII		248969	ם	
843	ALP RET		3 -62 35 55.03		5 -0.021	9.0	6		1			MB	6	233449	V	١
844	wX DoR	1 -	6 -53 07 57.96		1 -0.057	4.94	2	5.20	2	5.31	2	AM	1	76532		Į
845	50 OME TAU		5 +20 27 25 70			4.61	2	4.65	2	4.68	2	AZ	1	24531	V	-
846	-B- 1 PER		3 +50 10 28.93		0-0-052			4.55	2	4.58	2	F5V	1	233457	V	
847	GAM DOR		7 -51 36 42.99		3 +0.189	4 • 25	2		2	6.00	2	DAS	.	76541	1	1
848	51 TAU		0 +21 27 31.53		3 -0.034	5.65	2	5.93			2	GK1		233463	D	1
849	EPS RET		3 -59 25 18.30		7 -0.162	4.44	2	5.52	2	6.59 3.070		B8.5V	1	194902	l b	1
850	41 UPS- 4 ERI	1 04 16 00.030	6 -33 55 09•65 l	. +0.0049	9 -0.006	3 - 560	1 7	3.440	′1≛.	12.070	1.	1 20.424	1	1 -2 - 3 -	1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

ſ	NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V 13	BLUE MAG.	B	IJV MAG.	U	SPECTRAL CLASS	z 'n.	SAN CAT.HO.	STAR PROP.	G N
H	851	-B- 2 PER	04 10 23.644	+50 48 05.63	+0.0006	-0.002	5.5n						BSIV		24544	۷۶.	
1	852	53 TAU		+21 01 22.94		-0.040	5.28		5.230		-		AP		76548		1 1
1	853	56 TAU		+21 39 15.94		-0.038	5.24	l	5.100				A 51		76551		
1	854	54 GAM TAU		+15 30 30 • 62		-0.024	3.650	1	4.640	1	5.450	1	KOIIT		93868	λ۵	
1	855	55 TAU		+16 24 12.84		-0.032	6.86	4				. 1	GN	4	93870	ü.	1 1
1	856	THE- 1 RET	04 17 06.086	-63 22 32-53		-0.006	8.3	4							248985	יי	1 1
1	857	THE- 2 RET		-63 22 35 60	+0.003	+0.029	6.2	4	- A-		5.95	2	89 F0V	7	93872	'	1 1
1	858	57 -H TAU		+13 54 58 43		-0.019	5.59	5	5.87	2	5.45	2	GRIII	′	57171		1
1	859	54 PER		+34 26 52 30		-0.003	4.98						Killi		76558	ח	1 1
1	860	52 PHI TAU		+27 13 58 39		0.078	4.92 5.26	2	5.48	2	5.58	2	GA8		93876		1 1
	861	56 TAU		+14 58 37.86		-0.022	4.86	2	4.84	2	4.30	2	BEIII		39483	V?	
1	862	53 -D PER		+46 22 53.01		2 -0.006		2	5.72	2	5.23	2	BSIII		131132		
1	863	-D ERI		-16 56 55.91		-0.037	7.32	4		-		, T	MSII	7	149559	V	
· .	864 865	DG ERI TZ ERI	04 10 12 984	-06 08 09.35		-0.037	9.0	6	1			ĺ	A5	. 6	131144	V	
١	866	bu TAU		+13 57 37.91		7 -0.024	5.72	2	6.04	2	6.14	2	A M		93892	. :	1 1
1	867	59 CHI TAU		+25 30 46 87		5 -0.021	5.38		5.360	1			B9.5V		76573	D	1 1
1	868	61 DEL TAU	U4 20 02.844	+17 25 36 81		5 -0.028	3.760		4.750		5.570		KOIII		93897	V?	
	869	63 TAU		+16 39 43.73		2 -0.027	5.64	2	5.94	2	6.07	2	A M		03900	D	
1	870	62 TAU		+24 11 10.61		-0.008	6.14	١.,	6.300			_	B3V		76501	0	
1	871	66 -R TAU		+09 20 46 • 19		2 -0.006	5.12	2	5.19	2	5.30 5.33	2	A2V		131176	1 ''	1 1
-1	872	42 XI ERI		-03 51 34 - 77		5 -0 - 054	5.17	2	5.25 4.95	2	5.08	2	A7V		93917	ł	
	873	64 TAU		+17 19 47 19		7 -0.037	4 • 80 5 • 54	16	5.470		3.00	-	87V		57212	İ	
	874	55 PER		+34 00 59.92		3 +0.064	5.69	12	6.53	2	7.06	2	KOP		258372		
1	875	DEL MEN		-80 19 58.75 3 -63 30 17.09		3 +0.174	5.18	-	6.130		'''	1	G7III		249009		
۱٥	876 877	ETA RET		+33 50 47.28		5 -0.071	5.73	1		1		l	DF5		57216	200	1 1
1	878	56 PER DH ERI		-27 56 41.89		3 +0.041	7.9	6		1	1		M3	6	169405	٧	1 1
1	879	43 UPS- 3 ERI		34 07 54.81		0 +0.051	3.960	1	5.450		7.250		MIIII		194984		
1	880	65 KAP TAU		+22 10 51.94	+0.007	0 -0.046	4.22	2	4.35	2	4.49	2	A7V		76601	1	1 1
	881	67 TAU		+22 05 13.99	+0.007	9 0.052	5.28	2	5.53	2	5.62	2	A5N	1	76602		1 1
:	882	68 TAU		+17 48 55 20		6 -0.027	4.28	2	4.32	2	4.40	2	AZIV		93923	D	
'	883	70 TAU	04 22 45.844	+15 49 41.75		4 -0.027	6.46	2	6.95	2	6.97	2	DF5		93925 76608	D	1 1
	884	69 UPS TAU		+22 42 06.75		6 -0.045	4 • 28	2	4.54	2	4.69	2	FOIII-IV		93932		1 1
.	885	71 TAU		+15 30 23.06		7 -0.021	4.50	2	5.67	2	4.89 6.39	2	GBIII		93935		
	886	73 P1 TAU		7 +14 36 08 28		2 -0.032	4.69 5.37	-	3.0.	-	0.37	-	B6V	1	76613		1 1
	887	72 TAU	1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T	1 +22 53 07.12		1 +0.131	5.79	2	6.14	2	6.19	2	A5M	1	258378		
. 1	888	NU MEN		5 -81 41 45 12 5 +14 37 52 72		4 -0.022	5.90	2	6.22	2	6.28	2	DFO		93948	1.	1 1
1	889	76 TAU		+10 03 08 88		1 -0.001	7.4	4		- -		1	M6E	4	93949	V	1 1
	890 891	75 TAU		+16 14 58 50		4 +0.029	5.10						K2III		93950	٧?	
	892	74 EPS TAU		+19 04 16 36		6 -0.036	3.540	1	4.550		5.420		KOIII	Ι.	93954		1 1
	893	77 THE- 1 TAU	T 7 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 +15 51 10 - 15	+0.007	1 -0.026	3.830	1	4.780		5.500		KOIII		93955	1	1 1
	894	78 THE- 2 TAU	04 25 48 22	+15 45 41 80		1 -0.024	3.390		3.570		3.690		ATIII		93957		68
	895	44 ERI	04 25 56.88	2 +01 16 17.25		9 -0.019	5.55	2	5.45	12	4.90	2	B8	1	111845 93960		1 08
	896	79 -B TAU		1 +12 56 18 33		4 -0.012	5.03	2	5.26	2	5,38	2	A6N M3III	7	13165	V	
	897	RY CAM		3 +64 20 01.28		0 -0.025	8 • 2	6				1	M5111	6	24656	ľ	1 1
: "	898	RV CAM		6 +57 18 12.68		1 +0.001	8 • 2 5 • 58	6	5.90	2	6.00	2	A6N	"	93970	l o T	1 1
. 1	899	BO TAU		4 +15 31 49.66		0 -0.023	10.0	6	7.30	15	0.00	1	FO	6	195061	V	1 1
	900	CT ERI	04 27 31.92	4 -33 41 04.34	-0.001	1 +0.000	1	Ľ		1_	<u> </u>	_				<u> </u>	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	P N	RA PM	DEC PM	VISUAL MAG.	V		B N		U. N	SPECTRAL CLASS	5 N	SAN CAT-NO.	STAR PROP.	N
901	b1 TAU	n# 27 47.539	+15 35 05.33		+0.0071	-0.022	5.48	2	5.74	2	5.84	2	A7M		93978		
902	B3 TAU		+13 37 02.18		+0.0072		5.41	2		2	5.77	2	DF1		93979	}	1
903	1 CAM		+53 48 15.94		+0.0000		5.40				•	-	BOILT		24672	ŋ	1
904			+14 59 56 13		+0.0031			4			1.5		MA	4	93983		
905	64 TAU 85 TAU		+15 44 45 45		+0.0070			2	6.36	2	6.39	2	A9N	'	03903		1
906	DEL CAE		-45 n3 36.59		+0.0003			2		2		_	B3V		216850		
907		04 29 19.048			-0.0001			2		2	7.65	2	K3II-III	1	131270		
			+42 57 33.02		+0.0003		6.02	_		-		-	DF1		39614	!	
908	57 -M PER		+14 44 27.45		+0.0069			2	4.90	2	4.98	2	FOV	ļ	94007	1	İ
909	66 RHO TAU	04 31 00.440			-0.0004		5.72	5		2	5.13	2	В9		131309	n	1
910	46 ERI				-0.0081		4.510			1	6.200		666		169570	V?	
911	50 UPS- 1 ERI	04 31 32.818	-29 51 59·49 -08 20 04·58		-0.0022			2		2		2	GM3	į.	131315	1/2	ı
912	47 ERI				+0.0002		7.9	6	0.02	_	0,00	-	0.10	1	39636	V	1
913	YY PER		+10 03 35.26		+0.0036			2	4.44	2	4.56	2	AM	1	94026	UNS	
914	86 -D TAU				+0.0061		3.270		3.170	1	2.820	1	AOSI	1	233564	D	1
915	ALP DOR	64 33 01.116	-55 08 51.77 -63 07 55.59		-0.0017		6.8	4	3.1	-	LIOLU	-	M4E	14	249053	l v	1
916	R RET				+0.0045		0.860		2.400	1	4.320	,	KSIII		94027	DV	
917	87 ALP TAU		+16 24 37 •51		-0.0013		4.27			2	6.28	2	K0+A3		39639	"	1
918	58 -E PER		+41 09 50 57		-0.0037		3.820		4.800		5.520		KOIII		19514A	ļ	1
919	52 UPS- 2 EKI		-30 39 48 98		-0.0001		3.920		3.710		2.830		BZIII		131346	١v	1
920	46 NU ERI		-03 27 11 62					4		7	2.000	*	G0	4	94036	ľv	
921	SZ TAU		+18 26 35 17		-0.0012			5	7.90	l '			147	1 7	169608	ľv	1
922	UU ERI	04 34 32.837			+0.0020		9+0 5-31	5	5.19	2	4.75	2	B7V	0	111928	\	
923	49 EkI		+00 53 54 65		-0.0006		5.01	2			5.55	2	A4		131358	n	ı
924	51 -C ERI	04 35 04.971	-02 34 19.20		+0.0025		5.23 5.79	5		5	6.16	2	DA8		94043		
925	B9 TAU		+15 56 05 25		+0.0064			٦	5.66	۲.	0.10	-	BBV		76680	v	1
926	HU TAU		+20 35 09 41		-0.0012		5.70 4.27	١,		2	4.52	2	ASV	1	94044	i *	1
927	90 -C- 1 TAU		+12 24 43.81		+0.0067			2		1			KZIII		149781	ח .	ŀ
928	53 -L ERI	04 35 53.315			-0.0055		3.870	1	4.900	1	5,990	*	KOIII		24743	'n	1
929	3 CAM		+52 58 56 11		-0.0001		5.14	l				1	ASN		24744	n	1
936	2 CAM	04 35 59.764			+0.0054		5.36	١.	6.250	4	7.500	1	GM7		249066	νכ	
931	R DOR	04 36 10.395			-0.0091		4.500	1		1	7.500	1*	AM		94051	1 30	1
932	91 SIG- 1 TAU	04 36 17.709			+0.0027		5.13	2	5.280	_		١,	A5V		94054		1
933	92 SIG- 2 TAU		+15 49 14 21		+0.0056			2		2	4.98	2	B7IV	1	94063		1
934	93 -C- 2 TAU	04 37 16.174			-0.0002		5.38		5.270					[149818	עמ	
935	54 DM ERI	04 38 15.153			+0.0011		4+34	2	5,95	2	7.73	2	GM4	1	216926	ď	1
93 _b	ALP CAE	04 38 56.921			-0.0135			2		2	4.79	2	F2V	i	76721	1	I
937	94 TAU TAU	04 39 14.403			-0.0001		4.29	2	4.15	2	3.58	2	B3V	1	39699		1
938	59 PER	04 39 21.107			+0.0036		5.21						AO		76727	1	Į
939	95 TAU		+23 59 45 23		+0.0013		6.08	١,		_		1	DF6		195239	ŀ	1
U46	BET CAE		-37 14 27.52		+0.0032		5.05	2	5.42	2		ļ_	F8V		131442	D	
941	55 B ERI		-08 53 09.96		+0.0010			2	6.63	2	6.96	2	F2IIIP		131443	D	1
942	55 A ERI		-08 53 17+64		+0.0017		6.67	١.				1	GSIII			l ''v	
943	RZ ERI		-10 46 29+31		+0.0011		8.1	6					A5	6	149847	٧	ı
944	LAM PIC	04 41 29.347			-0.0045		5.31	2	6.29	2		_	GG8	1	233638	1	
945	56 ERI		-08 35 43.95		-0.0003		5.91	2	5.80	2	4,99	2	B5	1	131451		1
946	LAM CAE	04 42 05.458			-0.0004		6.25	2		2		L	K5	F .	216961	l	
947	57 MU ERI	04 42 59.993			+0.0007		4.020		3.860		3,260		BSIV	1	131468		1
948	MU MEN	04 43 33.295			+0.0030		5.54	2	5,42	2	4.96	2	BOIV		256122		
949	KAP DOR	04 43 35,688			+0.0048		5,35				:	1	A3		233664	1 _	
950	4 CAM	04 43 49.743	+56 40 15-10		+0.0066	-0.145	5.30	ł	1	1		I	AM		24829	D	1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM		V		B N	0. 1	U N	SPECTRAL CLASS	۲	SAD CAT.NO.	STAP PROP.	,
NUMBER		10.	 	+0.0014	-0.007	7.95	5	8.84	7			F6-G1	7	57431	W	
951	AW PER	U4 44 25.408	+36 38 04 • 58	+0.0045		6.5	4		1		- 1	M2E	4	216947	V	1
952	R PIC	04 44 49.277	-49 20 07-11	+0.0059		8.0	6			100		GOP	6	39773	V	1
953	KS PER	04 45 20.088	+43 11 18.97	+0.0039			2	6.15	2		- 1	DG1	1.	149888		
954	56 ERI	04 45 21,453	-17 01 28.54	+0.0037	+0.010	8.7	5					N4	7	195295	V	
955	T CAE	04 45 31.719	-36 17 50 61	+0.0026	10.005		2	7.44	2			KO	1	195300		
956	ZET CAE	04 45 52.463	-30 06 32 44	+0.0028		6.9	4	, , ,				NB	4	j 3285	V	1
957	ST CAM	04 46 01.262	+68 05 01.57	-0.0001	+0.011		4	7.23	7			AOP	6	76771	V.	Ì
958	V 473 TAU	04 46 06.215	+29 29 07 09			8.4	6						1	39783	٧	l
959	SV PER	04 46 16.520	+42 12 13.93	+0.0005			ž	6.32	2			DF6	1	149901	l	ı
960	59 ERI	04 46 17.395	-16 25 00 42	-0.0002		4.92	-		-			K4III	1	57447	ļ	-
961	1 AUR	04 46 32.387	+37 24 07 • 10		+0.039	6.22	. 1					GK3	1	94151	ח	1
962	96 TAU	04 46 52.268	+15 49 07.01		+0.010	3.190	1	3,650	1	3.640	1	F6V	1	112106	V?	1
963	1 PI - 3 ORI	04 47 07.390	+06 52 32 26		-0.030	9.1	6	0.0	-			F2	1 6	149918	V	1
964	RX ERI	04 47 28.532	-15 49 35 28			4.35	2	4.36	2	4.39	2	ADV		112124		1
965	2 PI - 2 OKI	04 47 53.047	+08 48 57.64		+0.054	5.16		1139	-			KOIII	Ì	149924	۸5	1
966	60 ERI	04 47 56.261	-16 18 09 83			10.2	7					N3	6	76788	V	ı
967	TT TAU	04 48 22.995	+28 26 35 85		+0.003	5.11	2	5.32	2	5,44	2	DA5	1	94164	V	١
958	97 -I TAU	04 48 26.754	+18 45 23 40		-0.035	3.680		3.520		2.710	ī	B2III	1	112142	V?	1
969	3 PI - 4 OKI	04 48 32.421	+05 31 16.34		+0.001	6.07		6.44	2			DFO	1	217032	ר	1
970	NU CAE	04 48 38.539	-41 24 21 86		+0.066		2	4.32	2	3.44	2	09.5IA	1	13298		1
971	9 ALP CAM	04 49 03-825	+66 15 38 64		+0.008	8.5	4		ļ~		_	14E	4	94173	N.	Ì
972	V TAU	04 49 08 402	+17 27 18.75		+0.006	4.77	2	6.18	2	7.76	2	KSIII	1	57475	1	1
973	2 AUR	04 49 16 85	+36 37 14 23		0.007	4.83	-	6.62	7		- :	M3S		94176	V	1
974	4 OMI- 1 ORI	04 49 42.05	3 +14 10 08 • 31	-0.0003	-0.057 7 +0.085	5.23	2	5.56	2		1	FOIV	1.	233709	D ·	١
975	101-1 PIC	04 49 48.13	5 -53 32 45.52			6.44	-	6.780			1	F0	1	233710	D.	1
976	IOT- 2 PIC	04 49 49.28	-53 32 38+98		+0.083	4.40	2	4.63	2	4.81	2	APIV		131568		1
977	61 OME ERI	04 50 26.13	1 -05 32 05 45	-0.0016	+0.022	5.33	2	6.97	2	8.90	2	GM1		112179	V?	1
978	5 ORI	04 50 46.17	3 +02 25 37.57		0.017	5.51	۱ -		1	0	17	AO		24904	D	1
979	5 CAM	04 50 57.34	7 +55 10 44.56		-0.006		6			1	1	MA	1 6	217051	V ·	١
986	Z CAE	04 51 01.26	8 -43 08 34 - 38		+0.058	7.5 3.730		3.540	1,	2.720	1	B2111		112197	V	١
981	8 PI - 5 ORI	U4 51 38.66	1 +02 21 37.24		+0.000		1 *	3.340	1	2.1.2.0	-	A3		94197	1	١
982	6 -G ORI	04 52 00.30	5 +11 20 45.39		0 +0.021	5.12	2	4.75	12	4.84	2	AOP	1	94201	1	١
983	7 P1 - 1 ORI	04 52 08.44	0 +10 04 22.53		0 -0.130	4.67	4	4.75	٦,	7.07	-	AO	4	57506	V	١
984	AB AUR	1 04 52 34.34	7 +30 28 21 61		6 -0.026	7.46	4		í			K5	4	24925		1
985	6 CAM	04 52 41.50	8 +55 44 46 54		5 -0.027	6.93	6					1.0		258392	V	ı
986	UZ OCT	04 52 47.73	8 -84 53 50 59		3 -0.034	8.6	6		1				1	57509	V	١
987	SU AUR	04 52 47.87	3 +30 29 19.60		2 -0.031	8.8	2	5 50	2			GG4		149988	V	Į
988	R ERI	04 53 03.78	3 -16 29 50 18		0 +0.045	5.72	2	6.60	2	4.43	2	A1V		24929	D	ı
989	7 CAM	04 53 16.19	4 +53 40 28 10		6 +0.008	1	6	7.45	1-	7.75	-			57516	l V	-
990	AM AUR	04 53 22.93	6 +32 07 30 -77		3 -0.002		2	5.21	2	6.31	2	KZIII		94218	D	
991	9 OMI- 2 ORI	04 53 33.42	3 +13 26 13.64		1 -0.046		,					K3II		57522	V?	
992	3 IOT AUR	1 04 53 43.98	2 +33 05 19.94		3 -0.018		2	5.38			2	B9	1.1	131614		
993	62 -B EAT	n4 53 56.29	2 -05 14 56.71		9 -0.006		15	3.30	15	1 .02	1	GG8	1	76858	D.	١
994	99 TAU	04 54 46 43	5 +23 52 20 65		7 -0.006			5.54	ام		1	B9.5V?		76862	ם	
995	98 -K TAU	nu 55 05.58	8 +24 58 30 10		2 -0.049		1	3.541	~			GK3	1	24943		-
996	& CAN	04 55 46.87	91+53 04 51.58		4 -0.008		1	5 00	2	5.01	2	AOV		57548	ם	-
997	4 OME AUR	04 55 51.44	4 +37 48 59.98		5 -0.100		2	5.00			2	KZII	1	112281	V?	
998	10 PI - 6 ORI	14 55 57.26	0[+01 38 20 • 04]		4 -0.002		2		16	1,,,3	٦	B9		233758	V	1
999	RV PIC	nu 56 18.72	0 -52 13 18 80		5 -0.002		7		1_		2	Kelli		256145		
1000	ETA MEN	04 56 36-50	5 -75 00 52.73	1+0.007	2 +0.058	5.47	2	6.99	2	8.81	12	KOLLL	. 1	1 -5	1	- 1

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STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

1001 1002 1003 1004	DESIGNATION 5 AUR 101 TAU	HR MN SEC	DEG MN SEC N	. ₽M										CAT . NO .	PROP.	M
1002 1003				75	РМ	MAG.	N	MAG .	N	MAG.	N	CLASS	14			H
1002 1003		14 56 51.770	+39 19 15 84	-0.0014	+0.004	5.90						DF3		57559	ŋ	
1003			+15 50 35.68	+0.0061	-0.022	6.70	4			14.7		F5	4	04248		1
	6 AUR		+39 34 52 49	+0.0002		6.56	1					GK5		57560	V	1
	R LEP		-14 52 47.48	+0.0010		6.0						C7-4E		150058 150060	V	1
1005	63 ERI	04 57 28.359	-10 20 06.42	+0.0014		5 69	_		ا ـ ا			DG4	l	150064	v	1
1006	64 5 ERI	04 57 36.240	-12 36 35 31	+0.0026		4.78	2	5.04	2	5.21	2	FOIV	1	57573	v	1
1007	RX AUR	04 57 55.452	+39 53 17 19	+0.0006			6	8.580		- 040	۱. ا	G5	6	39955	עם	1
100 _b	7 EPS AUR	04 58 22.530	+43 45 05.35	+0.0001		2.990		3.530		3.860		ABIA	1	13351	0	
1009	10 BET CAM	u4 58 57.617	+60 22 18 61	-0.0005		4.030		4.960		5.590		GOIB	ļ .	39966	ν	
1010	8 ZET AUR	04 58 58 680	+41 00 17.78 L	+0.0008		3.750		4.970		5.350		K5II+B		131700	"	
1011	65 PSI ERI	nu 59 00.759	-07 14 44 98	-0.0002			2	4.62	2	3.87	2	B2V	6	24981	v	
1012	EL AUR	04 59 30.604	+50 33 44 59		-0.005	8.6	6			. 01	٦	N3	0	76920	,	
1013	102 TOT TAU	05 00 06.223	+21 31 13.23	+0.0047		4.64	5	4.80	5	4.94	2	A7V GK1		170010	1	1
1014	1 LEP	05 00 38.218	-22 51 55-02		+0.023	5.75	2	6.95	2		1	AO	6	76934	l v	
1015	RT TAU	05 01 11.926	+23 34 43.11		+0.000	10.3		5.81	2		l	DF4	1 6	217140	י מ	
1016	ETA- 1 PIC	05 01 30.064	-49 13 16.97		+0.026	5.39	2	2.81	2		ł	AO	6	40003	l v	ì
1017	BF AUR	U5 01 33.022	+41 13 13.62	+0.0036		8.6	6	4.63	2	4.53	2	AOSI	"	94290		1
1016	11 ORI	U5 01 42.545	+15 20 10 18	+0.0011		4.68	-			4,55	٢	B2V?PE	1	25001	· ·	
1019	11 CAM	05 01 47 147	+58 54 18 40		-0.006	5.22		5.140			1	6G5		250n3		
1020	12 CAM	05 01 50 604	+58 57 15.46		-0.029	6.23	١,٠	5.750		6.940	1	GK3	1	195532	ח	
1021	GAM- 1 CAE	1	-35 33 01.69		-0.050	4.550		6.64	2	0.240	1	FO	1	195534	Ιv	
1022	GAM- 2 CAE	05 02 38 893	-35 46 25 16		+0.039		2	0.07	۴		1	M7E	1 . 4	170041	V	
1023	T LEP	05 02 43.172	-21 58 18.75		-0.035	, , , ,	2	5.34	0	5.33	2	FOV	1 7	25019	0	1
1024	9 AUR		+51 32 01 • 11		-0.172		2		2	5.55	12	C5-3		112406	l v	1
1025	I W ORI		+01 06 37.21		-0.006	6.17	5	6.880	15			B9P	7	57631	V	
1026	HZ AUR		+33 51 08 33		-0.003	3.180		3.000		2.330	1	B3V		40026	٧?	
1027	10 ETA AUR		+41 10 08.38		-0.067	3.190		4.650		6.420		KSIII		170051	N3	
1028	2 EPS LEP		-22 26 12.86		-0.071	5.31	2	6.31	2	7.08	2	Ι κο		256154	1	
1029	BET MEN		-71 22 58 14		+0.025	5.01	2	6.47	2	7.00	-	MZIII	1	217164	V?	1
1030	ETA- 5 PIC	05 03 40 155	-49 38 41.40		-0.001		2	5.08	2	4.90	2	В9	1	131777	ייס ח	
1031	66 ERI	05 04 17.220	-04 43 13.98		1+0.009	5.85	2	6.78	2	7.42	2	GBIII	1	258395		
1032	XI MEN		-82 32 26 44		+0.019	4.96	-	•••	-	' '	1~.	G4V	1	94332	D.	1
1033	104 -M TAU		+18 34 46 97		+0.116	4.72	2	5.24	2	5.20	2	F8V		233822		
1034	ZET DOR	1	-57 32 25.76		-0.034	5.17	1		1	1"	1	A3		76971		1
1035	106 -L TAU		+20 21 15.03		-0.377	6.17	2	6.79	2	6.88	2	DG2	1 2	112436	1	1
1036	13 ORI		+09 24 44.95		-0.006	5.83	1-	6.040		0.00	-	B2VP	1 .	76972		
1037	105 TAU		+21 38 25.58		-0.003	5.41		1 3,0,0		Francisco (B2V	1	76974	D	
1038	103 TAU		1 +24 12 03.46		-0.063	5.34	2	5.66	2	5.77	2	AM	1	112440	D .	
1039	14 -I ORI		+08 26 05.62 -05 08 58.54		-0.080	2.790	1	2.920		3.020		AZIII		131794	V?	1
1040	67 BET ERI		+68 36 28 97		+0.014	8.5	6		-		1.	MA	6	13391	V	
1041	UX CAM		+19 47 48.08		-0.013	6.55	4	1		1		G5	4	94345		
1042	107 TAU		+39 31 25 18		-0.002	8.5	6		1.		ì	B5	6	57690	. V	
1043			7 -04 31 10.68		+0.018	5.12	2	5.56	2	5.51	2	F5V	1	131813		1
1044	68 ERI		+09 46 01.19		2 -0.005	5.43	2	5.67	2	5.82	2	A M	1	112467	1	
1045	16 -H ORI				3 -0.004	4.27	2	4.07	2	3.17	2	B2IV		131824	Λ.5	
1046					-0.005	9.1	6		1	1	1	М	6	170116	V	
1047					0.012	9.0	6	9.860	17		1	1		40075	٧.	
1048			1 +49 37 32.78 4 +15 32 06.42		1 -0.013	4.82	2	5.14	2	5.32	2	F2IV		94359	1	ı
1049 1050			9 -63 27 44.65		-0.040	5.24	-	6.86	17	8.70	7	B2.5	7	249198	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F	P N	RA PM	DEC PM	VISUAL MAG.	V	BLUE MAG.	B N	UV MAG.	N	SPECTRAL CLASS	5 N	SAN CATINO.	STAP PROP.	L
	, v = .v	u5 07 20.877	-05 34 37.58	٦	-0.0002	+n.n15	8.7	6					NB	6	131832	V	
1051	SY ERI		+42 06 18.86		+0.0013		8.1	6				.	A3	6	40094	- V	1
1052	SX AUR	05 00 10 225	-08 36 59 85		+0.0002		9.2	6	9.74	7			F8	6	131854	٧	1
1053	ER ORI 14 CAM	05 08 50+595	+62 37 56.75		-0.0048		6.36	- 1		'	1		A2		13413		
1054 1055	14 CAM HX LEP	05 00 31.300	-11 54 35.85	· I	+0.0014		5.68		7.120				GM6		150206	V	١
The second second second	SY AUR		+42 46 20.96	-	+0.0000		8.6	6	9.520	7					40115	٧	
1056 1057	RR LEP	05 09 52.102	-13 15 29.70	. 1	+0.0000		9.2	6					A0	6	150220	V	ı
1056	3 IOT LEP	05 09 57.809	-11 55 39.95	- 1	+0.0014	-0.016	4.44	2	4.35	2		2	BAV		150223	D	١
1059	11 MU AUR		+38 25 38 27		-0.0016	-0.076	4 • 88	2	5.06	2	5.16	2	A M		57755	200	ļ
1060	17 RHO ORI		+02 48 11.68		-0.0002		4 • 45	2	5.64	2	6.78	2	K3III		112528	UA5	1
1061	5 MU LEP		-16 15 47.97		+0.0023		3.290		3.180		2.780		A P		150237	_	
1062	4 KAP LEP		-12 59 57 16		-0.0014		4 • 36	2	4.26	2	3.92	2	BeV		150239 40163	n _v	-
1063	UZ AUR	05 11 41.044	+40 04 35.15	٠.,	-0.0013		8.3	6		1		İ	MA	6 7	40167	v ·	1
1064	IM AUR	05 11 47.293	+46 21 00.52		-0.0033		7.7	5		1		i	B9	6	40175	ı v	
1065	UX AUR	05 12 07.350	+49 29 27.77		-0.0010		8.2	6		١.			MB	0	131907	DV?	1
1066	19 BET ORI	05 12 07.990	-08 15 28.65		-0.0002		0.130	1	0.100		-0.550	٠.	B8IA A9V		57799	DV	1
1067	14 KW AUR	05 12 08.792	+32 37 54.25		-0.0019		5.06		5.260		1		AZIV		77057	""	-
1068	106 TAU	05 12 27.169	+22 13 45.68		-0.0005		6.13		6.210	1	1		B5	4	40183		-
1069	12 AUR	05 12 44.635	+46 21 40.99	4	-0.0001		6.94	4	0.000	١.	7. 770	١,	GBIII?+F	-	40186	DV?	1
1070	13 ALP AUR	05 12 59.466	+45 56 58 03		+0.0077		0.080	1	0.880	1	1,330	1	09.5V	1.	57816	DV	1
1071	AE AUR	05 12 59.811	+34 15 24 59		+0.0007		5.3			1			GM7E		25112	ΩV	-
1072	R AUR	05 13 15.256	+53 31 56.59	-	+0.0020		5.46		5.440				AOIII	1	94426		1
1073	18 ORI	05 13 17.327	+11 17 12.31	4	-0.0003		4.82	2	6.11				KZIII		249225		-
1074	THE DOR		-67 14 29.96		+0.0025		6.84	4	0.11	15		1	F5	4	77084	DV	١
1075	CD TAU	05 14 33 494	+20 04 47.81		+0.0037		4.54	2	5.81	2	7.08	2	K3111		57853	D .	
107 ₆	16 AUR	05 14 53 588	+33 19 17 00		-0.0037		7.44	4	3.01	1-	1	-	B5	4	57857	V	
1077	EO AUR		+36 34 46 84		+0.0010		5.8		5.740			1	B9		57858	V	
1076	17 AR AUR	05 15 01 247	+33 42 55•12 +58 03 57•70		+0.0008		6.09	İ				Ì	B3IV	1	25125	1	1
1079	15 CAM	05 15 10 601	-06 53 49.05			-0.008	3.590	1	3.470	1	3.010	1	B5111		131952	D	
1080	20 TAU ORI		+40 03 24.51			-0.661	4.71	2		2		2	GOV		40233	D	- 1
1081	15 LAM AUR	05 15 40 780	-34 56 35.08			-0.339	4.83	2	5.83	2		2	KOIV		195721		Ì
1082	OMI COL		+33 41 50.28			-0.025	5.38		5.180	1 7		1	AOP	4	57884	V	1
1083	10 AUR		+33 56 04.94			-0.010	6.48	1		-		1	A5		57893	D	
1084	18 AUR 109 -N TAU	05 16 16 17	+22 02 47.81			-0.081	5.00					İ	GBIII		77097	1	- 1
1085		05 16 34.600	+02 32 44-20			-0.046	5.34	2	5.75	2		2	F5II	1	112624	V?	
1086 1087	21 ORI 19 AUR		+33 54 27.90			-0.010	5.03	2	5.30	2	5.74	2	ASIII		57906	\ \sigma?	
1088	SU PIC	05 16 47.828	-45 37 52 54			-0.005	9.7	6						1:	217277	V	1
1089	MZ AUR		+36 34 57.40		-0.0002	+0.004	7.8	6		1			B2	6	57915	V .	
1090	6 LAM LEP	05 17 16.190	1-13 13 37 19	l		-0.003	4.29	2	4.04	2	3.03	2	B0.51V	١	150340	V	
1091	T COL	05 17 27.487	7 -33 45 30 00			+0.034	6.8	4				1	M5E	4	195748	1 "	-
1092	7 NU LEP	05 17 39.718	-12 21 55.61			+0.008	5.29			L			B72V2NN		150345		
1093	ZET PIC	05 18 08.388	31-50 39 32 •3 61	i		+0.228	5.45	2	5.96	2		1	FBIII	1	233926 40269		
1094	20 RHO AUR	05 18 15.828	+41 45 24.75			-0.032	5.09	١.	4.910	!			B5V	1	57941	V	
1095	UV AUR	05 18 33.313	1 +32 27 51 • 36	1		+0.047	9.3	6		1		1	PEC	6	25161	"	
1096	16 CAM	05 19 10.611	1 +57 29 54 • 11			-0.055	5.14			_		1	A0		132028		
1097	22 -0 ORI	u5 19 12.471	-00 25 49.03			-0.001	4.74	2	4.58	2		2	B2IV		112697	l n	
1098	23 -M ORI	05 20 12.17	7 +03 29 52 42			-0.001	5.00	2		2	3.98	12	B1V		77139	1 "	1
1099	22 AUR	05 20 12.70	+28 53 27.71	1		-0.029	6.38	1	6.370				B9V	1	94514		
1100	110 TAU	05 20 44.31	+16 39 13.89	1	1 -0.0020	0.018	6.02	1	6.160	1	1	1	A2V	1	77.74	1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR EESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	צט	SPECTRAL CLASS	S 11	SAO CATANO.	STAR PROP.	1
1101	8 LEP	05 21 12.779	-13 58 22.07	-0.0003	+0.003	5.25	2	5.04	2			B2IV		150396		
1102	21 SIG AUR		+37 20 26 65		-0.008	5.02						K4III		57981	ח	
1103	KAP PIC		-56 10 50.75	+0.0001		6.11	2	6.01	2			В9		233952	1	
1103	111 TAU		+17 20 19.58	+0.0172		4.98	-	5.520				F8V		94526	1	1
1105	29 -E ORI	05 21 32 197	-07 51 09.07	-0.0014		4.12	2		2	5.78	2	GBIII		132067		1
1105	SW CoL		-39 43 25.77	+0.0011		5.71	2	7.33	2			MIIII	7	195807	V	
			-00 56 16.14	-0.0007		5.09	2		2	6.73	2	KOIII		132070	1	
1107			-02 26 29.58 L	-0.0002	1 -	3.350		3.180		2.250		B0.5V		132071	עמ	1
1108	28 ETA ORI		-06 11 28 89	-0.0010		9.1	6		-	2.000	-	M8	6	132074	V	-
1109	EX ORI		+01 48 07 84	-0.0003			2	4.76	2	3.83	2	B1V?PE	_	112734	V?	1
1110	25 ORI		+06 18 21.71	-0.0008		1.640		1.420		0.540		BZIII		112740	٧? .	1
1111	24 GAM ORI		+28 34 01.74	+0.0019		1.650		1.520		1.030		B7III		77168	į	
1112	112 BET TAU		+16 39 26.94	-0.0006		6.16	1	11320	-	2.000	-	B3N		94543		1
1113	113 TAU		-52 21 21.56	-0.0014		6.8	4					AO	4	233964	l o	1
1114	THE- 1 PIC		-52 21 33.19	-0.0018		6.32					l	AO		233965	D	1
1115	THE- 2 PIC		+03 03 14.31	-0.0001			2	4.39	2	3,45	2	BZIV		112775	יח	
1116	30 PSI ORI		+17 55 15.48	+0.0004		5.30	Ĭ~.	1.01	_	0.10	-	:85V		94554	ס	1
1117	115 TAU		+69 27 23.03	+0.0001			5					AO	7	13507	l v	
1118	AS CAM		+34 26 06 82	-0.0002		5.12	٦					K3P		58051		
1119	24 PHI AUR		+34 44 30.99	+0.0007		8.2	5	8.430	7			B2	7	58059	l v	ı
1120	IU AUR		+21 53 45.83	+0.0002		4.89	ž	4.75	2	3.98	lè	B3V		77184		1
1121	114 -0 TAU		+15 50 01 13	+0.0004		5.47	-	5.480		0.70	1	B9V		94566	İ	1
1122	116 TAU		+17 11 57.17	+0.0014		6.86		1 3.735				GM1		94573		
1123	117 TAU			-0.0005		5.53	•		1			GM1		13518		1
1124	17 CAM		+63 01 42•13 +03 34 58•37	-0.0003		8.8	6		1			A3	6	112796	V	1
1125	FO ORI		-58 57 15·52	-0.0017		5.14	2	6.14	2		1	G5	Ĭ	233981		ı
1126	LAM DOR		-20 47 52.90	-0.0006		2.840		3.660		4.130	1	65111	- 1	170457	n	
1127	9 BET LEP		+25 06 37.82	-0.0003		6.6	1 ^	6.560		7.200		B9V		77200	D	1
1128	118 B TAU		+25 06 42.67	+0.0008		5.9	1	5.860				B9V	٠.	77201	n	1
1129	118 A TAU		+35 20 10 87	-0.0002		6.71	4	6.90	7	6.12	7	09.5+09.5	7	58105	טע	-1
1130	LY AUR			+0.0029		7.5	4	0.30	Ι'	0.12	Ι΄	M75	ù	132163	v	1
1131	5 ORI		-04 43 51.68 -01 07 48.08		-0.022	4.71	2	6.28	2	8.13	2	K4III		132176	DV	-
1132	31 CI ORI				-0.047		2	7.48	2	8.86	2	KZIII		112837	V	- [
1133	CK ORI		+04 10 02.12	+0.0006		4.20	2	4.07	2	3.51	2	BSIV		112849	ם	-
1134	32 A ORI		+18 31 26.46		-0.028	8.4	6	7.0	1-	3.31	-	MB	6	94604	V	
1135	DV TAU		+57 11 18.31		-0.219	6.40	ľ	1	1		1	DF7		25241		- 1
1136	18 CAM		+03 15 20.92		+0.004	5.46	2	5.29	2	4.47	2	B1.5V		112861	D.	- [
1137	33 -N- 1 ORI				+0.004	8.9	6	302	-	7.	-	B9	6	94612	V	- [
1138	V 451 ORI		+10 59 12.26			9.0	6	1	1 .		1	F8	6	132209	v	-
1139	EY ORI		-05 44 23.55		+0.012		2	5.55	2		1	AO	"	170506	1	-
1140	10 LEP		-20 53 57.85		-0.045	5 • 55 4 • 35	2	6.41	2	8.62	2	M2IB		94628	V ·	-
1141	119 CE TAU		+18 33 31.99		-0.002	3.870		5.010		6.070		GK1		195924	1	- 1
1142	EPS COL		-35 30 22.02		-0.036	2.240		2.020		0.960		09.511		132220	DV	
1143	34 DEL- 1 ORI		-00 20 04-41		-0.001	6.87	1	2.020	*	3.200	1	B2V		132221	D	
1144	34 DEL- 2 ORI	05 29 2/+041	-00 19 11.87		-0.002	4.77	2	5.12	2	4.68	2	BSIAB		58164	1	
1145	25 CHI AUR		+32 09 25.48			4.62	2	4.36	2	3.29	2	BOV		132222		-
1146	36 UPS ORI		-07 20 12.87		-0.006			2.770		3.020		FOIB		150547	ם ו	
1147	11 ALP LEP		-17 51 24.18		+0.001	2.570	*	2.110	1.	3.020	1*	BP		94649	1 "	
1148	120 TAU		+18 30 22.95		-0.001	5 • 54	2	5.16	2	4,25	2	B ₁ V		132255	l v	
1149	VV ORI		-01 11 22.96		+0.001	5.34	12	2.10	15	1.20	1-	B3		94652	i i	
1150	35 ORI	1 05 31 03.632	1 + 14 16 20 • 54	1 -0.0000	-0.004	5.54	1 .	1	1.	1	1	1 02	•	7,0.36	1 .	- 1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

1151 1152 1153 1154 1155 1156 1157 1156	38 -N- 2 O _R ; 37 PHI- 1 O _R ; V 372 O _R ; 39 LAM O _R ; 121 TA	05 32 04.419	+03 44 03.46													,
1152 1153 1154 1155 1156 1157	37 PHI 1 OR V 372 OR 39 LAM OR	05 32 04.419			-0.0023 -0.018	5.36	2	5.41	2	5,48	2	AZ	- 7	112904		1
1153 1154 1155 1156 1157	V 372 OH		11404 27 26 67		+0.0000 -0.003	4.41	2	4.26	2	3.29	2	BOIV		112914		1
1154 1155 1156 1157	39 LAM ORI	1.05 32 19.696	-05 36 10.68		-0.0010 -0.041	8.3	6		-	3.00	_	B9	6	132288	V.	١
1155 1156 1157			+09 54 08-35		-0.0001 -0.005	3.390		3.200	١, ١	2.170	1	08+0E5	G	112921	ם	
1156 1157			+24 00 29.85		+0.0005 -0.014	5.16		0.200	1		-	B3V		77285		
1157	19 CAN		+64 07 30.38		+0.0009 -0.068	6.00		6.010				B9		13550	ח	
	KX OR		-04 45 48.56		+0.0003 -0.000	8.0	5	0.010				B3V	7	132302	΄ν	
	LP OR		-05 29 47.09		+0.0007 +0.003	9.0	6	100				8	6	132308	ľv	
1159	G DOF		-64 15 37.61		+0.0059 -0.011	5.34	5	6.38	2	7.23	9	GG7	О	249309	l " "	
1160	41 THE- 1 OR		-05 25 16.22		-0.0001 +0.002	4.70	ح	5.38	٦		ž.	06P+912+B1		132314	DV?	
1161	CQ TAL		+24 43 03.68		+0.0005 -0.028	8.6	6	3.30	l	3.04	-	F5	6	77299	V	
1162	42 -C ORI		-04 52 10 72		-0.0001 -0.000	4.59	2	4.40	2	3.46	2	82111	0	132320	DVP	
1103	43 THE- 2 OR		-05 26 50.72		-0.0003 +0.005	5.08	2		2		2	09.5VP		132321	2002	
1164	44 IUT OR		-05 56 28.26		-0.0003 +0.001	2.770		2.530	٦			09111			DV?	
1165	NU ORI		-05 17 54.89		+0.0003 -0.005		6	2.550	1	1,450	1		-	132323	V	
1166	V 361 OR1		-05 27 07.79		-0.0009 +0.030	9.0	6					B1V	7	132328	v	
1167	V 359 OR1		-04 52 07.25	1.	+0.0006 -0.007		5					88 83VP	-6 7		ľ	
1168	BET DOF		-62 31 20 19	1	+0.0002 +0.007	3.450		4 400	١. ا	4.520		FBIA	1	132331	l v	
1169								4.100						249311		
1170	45 ORI		-04 53 13.59		+0.0002 +0.011	5.27	2		2	5.67	2	GF0		132336	ÜΛ5	
1171	46 EPS ORI		-01 13 56.30 +06 48 12.32		-0.0002 -0.002 +0.0008 -0.027	1.690		1.510	1	0.480	T	BOIA	_	132346	V	
1172						9•8	6 7					A7	6	112952	V	
		05 33 50 021	-30 51 26 16		+0.0001 -0.009	9.3		c 2	١, ١		Α.	G5	6	195996	1	
1173 1174	,		-76 22 40.30		+0.0318 +0.285	5.19	2		2	7.50	2	K4III		256201	יי	
			+09 15 54.81		+0.0061 -0.304	4.09	2		2		2	GBIIIP		112958	1	
1175	122 TAL		+17 00 40.36		+0.0032 -0.032	5.54	2	5.76	2	5.86	2	A5		94700		
1176	V 586 OR		-06 11 01.55		+0.0005 +0.012	9.1	6		i			AO	6	132366	y	
1177	ET TAL		+27 14 33.44		+0.0029 +0.039	8 • 8	6	منتحصا				B8	. 6	77330	V	
1178	123 ZET TAL		+21 06 50.00		+0.0001 -0.022	3.030		2.840	1	2.220	1	B2IVP		77336	ν	
1179	22 CA		+56 20 02.55		+0.0019 -0.133	6.89	4		l . I			F5	Ц	25298		
1180	NU - 1 Col		-27 53 57-55		+0.0007 -0.061	5.95						A5 .	1.	170601	1	
1181	26 AUF		+30 27 52.83		-0.0014 -0.009	5.43		5.840			100	G5III?+A3		58280	DV3	
1182	S CAN		+68 46 18.94		-0.0015 -0.036	7•8	4		l			R8	4	13563	. V	
1183	NU - 2 COL		-28 43 06.11		-0.0030 +0.051	5 • 31	2	5.77	2	5.87	2	DF4		170613	ŀ	
1184	[2] CAN		+61 55 21.17		+0.0000 +0.016	6.65	4.					A5	4	13564		
1185	48 SIG- 1 OR		-02 37 38.49		-0.0002 +0.001	3.800	1	3.560	1	2.550	1	09.5V		132406	D	
1180	46 SIG- 2 OR		-02 37 36.93		-0.0009 +0.001	6.62		6.420			-				D ·	
1187	516-3 OR		-02 37 17.58		-0.0015 +0.012	6.53		6.320				В3		132408	D	
1188	HH AUF		+29 48 24.68		-0.0023 -0.012	8.3	6					G5	6	77356	٧.	
1189	49 -D 0R1	05 36 27.836	-07 14 21.42	1.	-0.0012 -0.054	4 - 81	2	4.94	2	5.05	2	A4IV		132411		
1190	47 OME ORI		+04 05 40 59		-0.0004 +0.001	4 • 59	2	4.48	2	3.73	2	BBILLE		113001		
1191	125 TAL	05 36 38.170	+25 52 15+39		+0.0015 -0.022	5.04		4.870				B2V		77360		
1192	NO AUF	05 37 26.943	+31 53 43.27		+0.0008 +0.006	6.72	7	8.26	7		1.1	B2V	7.	58322	V	
1193	ALP COL	05 37 50.211	-34 05 58.73	1	+0.0001 -0.027		1	2.520	1	2.050	1	B8VE		196059	DV3	
1194	50 ZET OR1		-01 58 02.98		-0.0001 -0.002	1.770	1	1.560	1	0.500	1	09.518+83		132444	DA5	
1195	126 TAL		+16 30 35.29		+0.0006 -0.019	4.86	2		2		2	BSIV	1	94759	D	
1196	V 901 OR		-01 31 54.91	1	-0.0009 +0.002	8.4	6				. 1	85	6	132446	v	
1197	IOT MEN		-78 50 55 65	1	+0.0034 +0.018		2	6.03	2	5.70	2	B9	_	256214	·	
1198	24 CAN		+56 33 28.80		+0.0018 +0.031	6.02					-	669		25333		
1199	FX OR		+14 48 37.78		-0.0006 -0.009	8.7	6					MD	6	94778	V	
1200	DY TAL	05 39 04.001	+18 31 02.00	1	+0.0008 -0.013	9.1	6			1		MC	6	94779	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

		STAR .	DESIGNATIONS AND	SIAK UK	IA ONCE				- 1							
	eran	RT. ASCEN.	DECLINATION P	RA	DEC	VISUAL	v		В	. ''	U	SPECTRAL	S	SAO	STAP PROP.	G
	STAR	HR MN SEC	DEG MN SEC N	РМ	Рм	MAG.	N	MAG.	N	MAG.	N	CLASS	l/i	CAT.NO.	PROP.	L.,
NUMBER	DESIGNATION	HK MM SEC	DEC INI. SEC			 	_					CCE		13500		
1201	23 CAM	n5 39 32.397	+61 27 16.23	-0.0004	+0.002	6.30					ı	GG5 AD	4	25344		1
1202	25 CAM	05 39 50.361	+54 50 35 34	-0.0001		6.80	4				2	A1V	"	258418	v	1 -
1203	TZ MEN	05 39 50.784	-84 48 57.74	-0.0074		6.20	2	6.18	2	6.07	2	KOIII		113056	*	1
	51 -B ORI	n5 39 53.374	+01 27 07.18	-0.0038	-0.014	4.90	2	6.07	2	7.13	2		4	94793		
1204	127 TAU	05 39 57 076	+18 57 29 26	-0.0003		6 68	4	_				B9	1 4	170715		1
1205		05 40 07.633	-22 23 47.88	-0.0007	+0.017	5.87	2	5.98	2			A2		258421	l	
1206	P1 LEP	05 41 07-562	-80 30 32.66	+0.1113	+1.064	5 • 65	2	6.25	2	6.36	2	G3IV	4	217489	l v	
1207	W PIC	05 41 50-156	-46 28 30 99	-0.0013	+0.008	7.6	4					N 3	4	94823	}	1
1208		05 42 00.310	+16 03 58 34	+0.0004	-0.009	6.81	4					AO	"	40583		
1209	- N :	05 42 00.010	+49 48 24 60		+0.000	5.47	2	5.50	2	5.57	2	A_P	1 _	77502	v	
1210	—	05 42 01 412	+24 24 01.27	+0.0000	-0.006	11.1	7			1.0		N3	6	1 ' '	۱v	
1211	TU TAU		+13 33 23.84		-0.003	8.5	6	9.2	7.			GO	6	94828		1
1212	ST TAU		+56 05 51 • 10		-0.056	6.01	1		1	· ·		A2	1	25362	_	1
1213	26 CAM		-22 27 48.30		-0.373	3.600	1	4.070	1	4.080	1	F6V		170759	'	1
1214	13 GAM LEP		+56 54 21.05		-0.023	6.79	4					AO	4	25364	V	
1215	26 CAM		+20 40 33.18		-0.001	6+96	2	9.99	2			C7-4E	1	77516	V	1
1216	Y TAU		+18 38 15 60		-0.014	8.4	6		1			G5	6	94848	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ı
1217	EU TAU		+15 48 16.86		-0.005	5.88		5.830				B7IIIP	.	196149		
1218	129 TAU	05 45 52 535	-32 19 27.47		-0.025	5.17	2	4.89			1	09.5V		94855		1
1219			+14 28 18.05		-0.040	5 • 61	1	5.650	1			ASV	1	94858		1
1220			+17 42 43.75		-0.007	5.38	l		1		١	GF4			į	1
1221			65 45 15.24	-0.0043	+0.007	4 • 35	2	4.56	2	4.68	2	AGIV		249346	1	1
1222	DEL DOR	05 44 41.296	-14 50 21.19	-0.0016	6 -0.003	3 • 55	2	3.65	2	3.71	2	A3V	_	150801 40615	V	1
1223	14 ZET LEP	05 44 51 110	+43 03 59.05	-0.0001	-0.009	8.9	6	1 - 2			1	B5?P	7	94864	l n'	-
1224			+13 52 59.18	+0.0009	0.014	5.15	1	4.970	1	1	1	B2V	ء ا	58449	''v	1
1225			+30 36 53 42	+0.0012	2 +0.000	8.5	6	1		1		NA	6	113150	أم ا	1
1226 1227			+06 26 17.32	+0.0003	0.019	5.27	2	5.50	2	5,67	2	A5N	1	132542	\'V?	1
1226			3 -09 41 09.45	-0.0002	2 -0.005	2.050		1.870	1	0.850	1	80.5IE		58460	l ''	
1229					L -0.020	6.90	4	1	1_	1	1	60	"	58465	D.	
1230			1 +39 09 58 50		1 -0.023	4 • 53	2	5.47	12	6.16	2	GBIII	1	77592	, v.s	1
1231			+ +24 33 09 24	+0.0000	0 -0.027	4 • 86	1_	1				GBIII	7		v	1
1232			1 -20 02 22.25		4 +0.040	8.23	5				١.	FO	1 '	234134	1	1
			5 -51 05 01.75	+0.000	5 +0.087	3 • 85	1	4.025	1	4.135	1	A3V	1	25403	D	-
1233 1234			5 +56 54 17.72	-0.000	9 -0.008	6.37	1	1	1		1	A2N		94888	1 "	1
1235			6 +12 38 13.65		4 -0.024		2		2	4.68	2	BOIV		58496	٧?	
			9 +37 17 35 85		4 -0.042		2	6.36	2	8.29	2	GM1		94904	1	-
1236			1 +14 17 34 - 37	+0.000	4 -0.036			1				GG9		25419		
1238			5 +58 57 08.41	+0.001	1 -0.022			5.980		l	١.	B9	1	58502	ח	- 1
		05 48 01.34	6 +39 08 09 47		4 +0.007					6.200		KOIII		256239	1 ''	
1239			2 -72 43 00.84	+0.004	7 +0.020		2		2		2	KO	ì	234154		1
124(4 -56 10 42.89	+0.009	2 -0 -074		2		2		2	Killi		132591	İ	1
	·		3 -07 31 48 00		2 -0.002] 2		2		2	B2V	1	170926		
124		05 49 10.19	3 -20 52 55.23		0 -0.650				1			GSIII		196240		
124		ns 49 11.72	71-35 47 09.73	+0.004	1 +0.402	3.12	0 1			5,490	1	K2III A P	1	94945		- 1
124	T 1	05 49 31.76	2 +14 09 38.95		4 -0.006		1_	5.500		7 60	1,	K2II		113220	DV?	
124		I ns 49 50.57	0 +01 50 40 22		6 -0.007		2		2		2			249368	V?	
124		R 05 49 56.61	6 -66 54 49,44		6 +0.014		2		2	4,48	2	B5			l v	. [.
124			3 +26 26 06.90	+0.000	8 +0.001	8.2	6				١,	B3	6	77675	l p	1
124		ul os 50 10.98	4 +27 36 08 48	+0.000	4 -0.014	4.59	2	4.57	2	4.60	2	AOIII	1	25447	V	
125			8 +59 52 47 • 18	+0.000	1 -0.019	5.2				1	-	A0		20741	1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	1	N N	BLUE MAG.	B N		U N	SPECTRAL CLASS	5 N	CAT-NO.	STAR PROP.	G N
		05 50 39.215	155 //1 52.55	-0.0014	+0.022	5.00	2	5.05	2	5.17	2	A2P?		25450		1
1251	30 XI AUR	05 51 17.867	73 48 40 70	-0.0008		4.870		4.720	1 1	4.160	1	B5V		196276		ı
1252	LAM COL		+20 16 07-36	-0.0133			2	5.00	2		2	GOV		77705		1
1253	54 CHI- 1 ORI		+19 44 30 - 10	-0.0001		5.86	. I			7 - 1	1	B2V	1	94986		
1254	57 ORI			+0.0017		0.420	1	2.260	lı l	4.380	1	M2IAB	1 :	113271	עת	1
1255	58 ALP ORI		+07 23 57 92	+0.0001		5.4	•		-			GM8E		77730	V.	
1256	U ORI		+20 10 06 19	+0.0000			6		1			MC	6	40721	V	1
1257	TW AUR		+45 30 13.61	-0.0073			2	5.39	2	5.15	2	B9	_	256248	l	
1258	KAP MEN	05 53 38.860	-79 22 19 42	+0.0073			2	6.08	2	0,10		GG8		196316	Ì	İ
1259	XI COL	05 53 46 567	-37 07 37.07	-0.0014			6	0.00	-	100	ļ	MSILIE	7	77756	V	
1260	BQ ORI		+22 50 02.01			3.720		4.050	1	4.050	11	FOV		150957		1
1261	16 ETA LEP		-14 10 31-67	-0.0034 -0.0001		5.54	1	7.050	^	7.030	1	FO		196330		1
1262	SIG COL		-31 23 17.23				2	4.76	2	3.82	2	BIIR		77775		
1263	139 TAU	05 54 53.423	+25 56 58 59	+0.0001		3.720		4.710		5.620		KOIII	1	25502		1
1264	33 DEL AUR		+54 17 00 - 14	+0.0095			2		2	3.52	2	BSIV	1	196352	l n	1
1265	GAM COL		-35 17 15 18	-0.0003			2	6.11	2	6.27	2	A5		113315	ا تا	i
1266	59 ORI		+01 50 01-15	+0.0001				1.930		1.970		AZV		40750	DV	
1267	34 BET AUR		+44 56 40 68	-0.0052	1	1.900		5.97	2	7.80	2	M3II	1	40756	V	
1268	35 PI AUR		+45 56 04 • 47	+0.0001			2	5.23	2	5.24	2	A1	1	113321	0	
1269	60 ORI	05 56 15.234	+00 32 59.73	-0.0010			2	2.540		2.360		89.5PV		58636	DV?	
1270	37 THE AUR	05 56 18.627	+37 12 40 • 05		-0.082	2.620		6.40			2	F2II		132714	V	١.
1271	1 V 474 MON	05 56 38.300	-09 23 06.27	+0.0005			2		2			AM	1 .	132715		. 1
1272	2 MON	05 50 41.802	-09 33 37.00		-0.054		2	5.23	2	5.39	2	F5	6	58649	V	
1273	CO AUR		+35 18 38 60	-0.0005		7 • 8	6		1		1	AO	1 0	40778		i
1274	36 AUR	05 57 10.894	+47 54 03.90		-0.018	5.68	١.	=	١,	6.180	١.	KOIII		217650		- [-
1275	ETA COL	05 57 35.885	-42 49 01.39		-0.016	3.960		5.100	1-	0.100	1	1	6	95108	v	1
1276	DN ORI	05 57 42.557	+10 13 01.46		+0.010	8 • 6	6					B8V	"	77858	1 7	1
1277	141 TAU		+22 24 04.85		-0.021	6.23	١.	6.150			1	r	6	217667	V	1
1278	RT PIC		-44 53 51 28		+0.019	9.0	6					G5	2	132754	ľ	1
1279	V 352 061		-02 21 10.72		+0.001	8.0	6					MC B5IV	P	151037	D'	-1
1280	NOM E	05 59 29.204	-10 35 49.89		-0.002	4.94	2	4 . 82	2	4.24	2	1	1	113389	DV?	1
1281	61 MU CRI		+09 38 56 64		-0.028		2	4.29	2	4.40		A M		40818	DATE	- [
1282	38 Au 1	05 59 41.618	+42 54 55.21		-0.144	6.10	2	7.07	2	7.85	2	KOIII	i	95166	V?	-
1283	64 OK	06 00 29 672	+19 41 35 74		-0.018	5.15		5.040	'		-	BBIII		25548	DV?	
1284	35 CA*	06 00 31.107	+51 34 37+36		-0.043	6.27	١.			1	1	A5	1	58699	l v	- 1
1285	CQ Auit	06 00 39.255	+31 19 51 22		-0.010	9•0	6			1		POTA		77911	V?	-
1286	62 CHI- 2 031	06 00 56.956	+20 08 28.96		-0.007	4 • 63	2	4.91	2	4.24	2	BZIA	1	77915	D.	
1287	1 GEM	n6 01 04.774	+23 16 04.51		-0.102	4 • 15	2	5.02	2	5.54	2	GG5		40840	٧?	1
1288	39 AUR	06 01 27 603	1+42 59 15 57		-0.144	5 - 84	1		_	0.00	_	ABN	1	249424	V.	
1289	SW PIC	06 01 31.649	-60 05 40 99		+0.004	6.50	1.	8.08	17	9.89	7	M1	1	132800	v	1
1290	V 530 ORI	06 02 03.617	-03 11 32.07		-0.084	9.0	6	I	1_			GO	6	113429	1	
1291	63 ORI	06 02 18.143	3 +05 25 27.79		+0.003	5.67	2	6.71	12	7.53	12	GG7	1	113429		-1
1292	66 ORI	06 02 19.755	+04 09 47-18		-0.006	5.63	2	6.67	2	7.41	2	GG4		958	l v	- 1
1293	SY CAM	06 02 25.940	+80 04 56 18		-0.026	9.5	6	1	1_		4	1 400	1	151093	V?	-[
1294	17 LEP	06 02 45.162	2 - 16 28 46 70		0.003	4.93	2	5.17	2	1		A2P	1	58749	, ,	4
1295	40 AUR	06 03 08.209	+38 29 21.37		0.051	5.27			. _	1	1	AM	1		v	
1296	AA GE4		+26 20 06.85		-0.016	9.2	6	10.100	7	1	1	KO	6	77963	V	- [
1297	S LEP	06 03 41.862	-24 11 22.98	+0.0014	-0.019	6.0	1					M6	1.	171222	i v	-
1298		06 03 45.686	+23 38 42.05	-0.0002	2 -0.004	6.89	4				1_	KO	1 4	77971	1	-1
1299	18 THE LEP		-14 55 45.55	-0.0014	+0.016	4.67	2	4.72	2	4,72	2	A1V		151110	1	ŀ
1300	V 643 ORI		100 -4 -5 -6		-0.046	9.0	6		1	1	1	G2	6	132847	l V	- 1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	Incorting in all	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	HAG.	U N	SPECTRAL CLASS	5 N	SAO CAT.NO.	STAR PROP.	G N
		06 04 42.949	+14 46 34.32		+0.0004	-0.022	4.42	2	4.27	2	3.60	2	B3V		o5259		
1301	b7 NU ORI		-42 17 29.33		-0.0037		6.25		_			l	д м		217720	i .	1
1302	PI - 1 CoL V 916 ORI	06 05 27.757	+13 58 48 00		-0.0005		8.7	6	8.69	7		1	B2V	7	95271	V	1
1303			-19 ₀ 9 31 25		+0.0005		5.31		6.970		i e		GM2		151142		1
1304	LEP SS GEM		+22 37 32.77		-0.0000		9.3	7				1	G5	6	78024	V	1
1305			+58 56 41.85		+0.0033		5.32					Ì	GSIII		25597		1
130 ₆ 1307	37 CAM V 917 OHI		+13 56 22 11		-0.0006		8.7	6	8.64	7		1: .	B3	۴	95281	V	
1307	THE COL	06 05 48.671			-0.0003		5.02	2	4.91	2	ļ	ĺ	Bo	İ	196514		1
1309	4 MON		-11 08 13.64	1 1	+0.0007		6.77	4		1			A2	4	151154	İ	9
	ETA- 1 DOR		-66 01 57.36		+0.0030		5.71	2	5.68	2	5,61	2	B9		249448		
1310 1311	PI - 2 CoL	06 06 19.651	-42 08 42.46		-0.0006	-0.014	5.48	1					A0	1	217730		1
1311	3 GEM	06 05 41.773	+23 07 24.41		+0.0006	-0.002	5.76	5	5.96	2	5.32	2	B2.5IB		78050	י ח	1
1312	4 GEM	06 07 27.856	+23 00 31.53		-0.0004	-0.005	6.68	4		1		i	B9	4	78063		
1314	41 B AUR	06 07 46 641	+48 43 32.18		+0.0013	-0.066	6.82	1		1.			An		40924	ח	
1315	41 A AUR		+48 43 24.85		+0.0020	-0.050	6.09	1	l				A0		40925	D.	ı
1316	TU GEM	06 07 46.805	+26 01 34.74	l	+0.0006	-0.007	7 • 4	4		1 :			NA	4	78066	V	
1317	36 . CAM	06 07 49.304	+65 43 53 19	1	+0.0015		5.28			1	1.0	1	KSII-III		13756		1
1518	5 GEM	06 08 28.241	+24 25 59.08		-0.0002		5.90	1		1			GKO .		78079	V	11
1319	GO ORI	06 08 28.523	+09 37 27 80	ĺ	-0.0001		8.6	6				1	В	6	113558 78092	ľ	1.4
1320	TV GEM		+21 52 51 • 61	ľ	+0.0002		7.0	l_					MITAB	7	78094	Ü	i
1321	WY GEM		+23 13 10.94	1 .	+0.0005		7.43	5			, ,,,,	1	M2IABEP+B B8V	'	249461	1 °	
1522	NU DOR		-68 49 58 38		-0.0093		5.06	2	4.98	2	4.77	5	B9.5V		95359	1	1
1323	68 ORI		+19 48 12 67		+0.0002		5.67	١,	5.580		7	2	B3V		95362	İ	1
1324	I 70 XI ORI		+14 13 18 49		+0.0002		4.48	2	4.31	2	3.65 4.21	2	B5V		95365		1
1325	69 -F- 1 ORI		+16 08 36 85		+0.0006		6.11	-	4.80	۲	4.21	٦	MIIA		78098	Ιv	-
1326	6 BU GEM		+22 55 17.93	1	+0.0002		4.84	1	1	.]			B0.5111	7	234359	v	
1327	DEL PIC		-54 57 24 59	1	+0.0001		9.1	6		ŀ.,	100	Ι.	An	6	7812n	V	1
1328	FT ORI	06 11 08.481	+21 26 33.72	١.	-0.0040		5.01	2	6.62	2	8.47	12	GM3	`	249469	V?	1
1329	ETA- 2 DOR		+60 00 56.59		+0.0046		5.45	-	"""	-	• • •	Γ.	GK3		3772		1
1330	46 CAM		-22 31 57.81	1	-0.0025		9.2	6		1		1	BB	6	171416	l v	1
1331	TX CMA ALP MEN		-74 44 12.46	1	+0.0310		5.09	2	5.81	2	6.14	2	G5V		256274	1	
1332 1333	7 ETA GEM		+22 31 23.36		-0.0048		3.280		4.890		6.550		MSIII	1	78135	DV.	1
1334	71 ORI		+19 10 30 - 51	1.0	-0.0068		5.20	2	5.64	2	5.64	2	F6V		95432	D	
1335	44 KAP AUR		+29 31 06.24		-0.0054		4 • 35	2	5.36	2	6.17	2	GBIII	1	78143	Λ.5	
1336	LR GEM		+22 19 04+05		+0.0002		8.6	6	9.24	17			BOIV	7	78145	Į v	1
1337	5 GAM MON		-06 15 28 70	1	-0.0006	-0.019	3.960	1	5.270		6.690	1	K3III		133012	D .	
1338	72 -F- 2 ORI		+16 09 37 • 16	į.	+0.0002	-0-014	5.19	1	5.060			1	B7V	İ	95447		-
1339	73 ORI		+12 34 06.64		-0.0001	-0.000	5.34	1	5.310			1	B9II-III	ł	95457		1
1340	8 GEM	06 13 15,702	+23 59 16.91	1	-0.0010	-0.010	6.09	2	6.99	2	7.61	2	GSIII		78168		
1341	1 UW LYN	06 13 18.309	+61 32 03.51	1	-0.0003	-0.004	6.90			7			GM3		13787	v	
1342	74 -K ORI	06 13 38.093	+12 17 16.13		+0.0055		5.04	2	5.46	2	5.44	2	F5IV-V		95476	D	
1343	42 AUR		+46 26 34.93		-0.0041		6 • 52	2	6.79	2	6.88	2	FOV		40999	1	
1344	9 GEM		+23 45 34.84		+0.0001		6 • 25	2		2	6.31	2	BSIAB		78176		1
1345	75 -L ORI		+09 57 44.32	1	+0.0000		5.39	2	5.49	2	5.58	2	A2		113675 41010	D.	1
1346	43 AUR		+46 22 56 00	1	+0.0013		6.39	2	7.50	2	8.62	2	KZIII		196643		
1347	KAP COL		-35 07 22.03		-0.0011		4.37	2	5.37	2	6.20	2	GBIII	1	25665	V?	1
1348	2 LYN		+59 01 54.24		-0.0007		4+48	2	4.49	2	4.52	2	A2V	1 .	151318	1 "	
1349	6 MON				-0.0006		6.67	6	0 26	7		1.	F0 B1V	7	78198	V	1
1350	LT GEM	06 15 22.808	+23 35 30.88	1	+0.0003	-0.004	8.9	10	9,26	\mathbb{T}'		1	DIA	L '.	10170	1	1_

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B. N	~ .	U N	SPECTRAL CLASS	S 14	5A0 CET.110.	STAR PROP.	G N
1351	10 GEM	06 15 51.567	+23 37 27.97		-0.0001	-0.010	6.59	4				.	65	4	78210		
1352	11 LU GEM		+23 29 27.35		+0.0001	-0.007	7.33	4		7			BO	Ц	78222	٧-	1
1353	V 963 ORI		+20 36 05.65	- 15	-0.0005	-0.001	8.5	6	9.11	7	8.82	7	B2IBP	7	78223	V	1
1354	12 GEM		+23 17 46.15		+0.0000		7.03	4					В9	4	78225	•	1
1355	KS MON		-05 15 46 52		-0.0013	-0.025	9.0	6		4 .			МА	6	133110	V	1
1356	7 MON		-07 48 01.79		-0.0007		5.26	2	5.07	2	4.32	2	B2V		133114		
1357	3 LYN		+61 47 08 84		+0.0003		7.15	4					F0	4	13818		1
1358	4 LYN		+59 23 46.56	١.	+0.0001		5.93						A2		25678	T.	
1359	45 AUR		+53 28 38 36		+0.0033		5.36	2	5.79	2	5.91	2	F5III		25681]	1
1360	1 ZET CMA		-30 02 23.86		+0.0004		3.020	1	2.840	1	2.120	1	B2.5V		196698		
1361	SV MON		+06 29 40 68		-0.0012		8.8	6	9.55	7		Ï	G5	6	113757	V	1
1362	FR CMA		-11 44 55.60		-0.0011		5.46		5.45	7			B1VPE	6	151401	עמ	1
1363	RS ORI		+14 42 12.05		-0.0015	-0.013	8.3	6	9.1	7		-	F0	6	95589	٧.	1
1364	13 MU GEM		+22 32 27.98		+0.0040		2.870	1	4.510	1	6.370	1	M3III		78297	ער	
1365	PX CAR		-54 31 28 63	1	-0.0034		9.5	5				١.	A2	7	234458	V	
135b	v MON		-02 10 10.00		+0.0017		6.0	4		i			M6E	4	133182	l v	1
1367	DEL COL		-33 24 36.07		-0.0024		3.850	1	4.730	1	5.250	1 .	GG4		196735		-
1368	2 BET CMA		-17 55 47.23	١.	-0.0009		1.970		1.730	1	0.770	1	BIII-III	7	151428	. V	
1369	IM MON		-03 15 01.97		-0.0001		6.58	4					B5	4	133189	V	1.
1370	46 PSI- 1 AUR		+49 18 56 91		-0.0001		4.95		6.920	7		:	MOIAB	l	41076	V	
1371	8 EPS- 1 MON		+04 37 11 68	1	-0.0013		4.462	2	4.662	2	4.802	2	ASIV.		113810	ס	1
1372	8 EPS- 2 MON		+04 37 22.65		-0.0016		6.520	2	6.720	2	6.860	2	DF4		113811	D	1
1373	NU PIC		-56 20 32.97		-0.0043		5.61	2	5,84	2			ДМ		234473	1	1
1374	RR LYN		+56 18 51 47		-0.0026		5.64	2	5.88	2	6.00	2	дм	1	25731	V	1
1375	5 LYN		+58 26 49.89		-0.0004		5.33			١.			K4III	1	25733	D	
1376	T MON		+07 06 53.22		+0.0010		5.60		6.800				F71AB	1	113845	V	
1377	BL ORI		+14 45 04.15		-0.0010		6.23	2	8.57	2	12.07	2	C6-2		95659	V	
1378	14 GFM		+21 40 28.31		-0.0007		6 65	4					G5	4	78355	1	
1379	ALP CAR		-52 40 03.44		+0.0029		-0.730	1	-0.580	1	-0.530	1	FOIR		234480	1	
138u	PI - 1 DOR		-69 57 24.43	1	+0.0043		5.56	2	7.07	2	8.89	2	K5		249532	•	1
1381	G PUP		-48 08 46.84		-0.0011		5.76	2	5.70	2	5.53	2	B9		217922	D	1
1382	9 MON		-04 19 27.73	1	-0.0004		6.88	4	1		1	1	B5	4	133267	1	
1383	77 ORI		+00 19 50 92		+0.0002		5.20	2	6.38	2	7.51	2	KIII	l	113905	1	1
	78 ORI		-00 14 40.02		-0.0003		5.55	2	6.93	2	8.54	2	GK5		133269		- 1
1384			+20 49 18.71		-0.0027		6.55	4				Ι.	Ko	4	78395	D	
1385			+20 31 41.13		-0.0024		6.06		6.070	1		i	VSA		78402	1	l
1386	16 GEM 48 RT AUR		+30 31 33.15		+0.0002		5.4	1	5.820	7		1	GD		59128	V	ŀ
1387 1386	10 MON		-04 43 47.03		-0.0007		5.05	2	4.87	2	4.10	2	B2V		133290		
1389	P1 - 2 DOR		-69 39 42.97		-0.0026		5.38	2	6.35	2	7.02	2	665	ł	249550		-
1390	FS CMA		-13 01 11.68		+0.0008		7.46	4	7.49	7		1	B2IVE	7	151534	V	-
1391	18 NU GEM		+20 14 44.06		-0.0004		4.14	2	4.00	2	3.51	2	B7IVE	1	78423	n	4
			-32 32 50.81		-0.0019			2	4.31	2	3.70	2	B5		196857	1	-
1392	LAM CMA		+46 43 10.66		-0.0004		5.87	1	1				GK4		41130	1	
1394	11 BET- 1 MON		-06 59 58 06		-0.0015		4.623	1	4.533	1	3.733	1	B3VE	1	133316	0	1
1395	11 BET- 2 MON		-07 00 03.34		-0.0015		4,413		4.256		3.523		B3NE+B3E		133317	D	1
			+58 12 07.46		-0.0027		5 88	2	6.82	2	7.48	2	KOIV	1	25771		1
1396			+13 38 59.34		-0.0001		8.6	6		1			K5	6	95749	V -	-
1397	BK GEM		+05 54 08.03		+0.0007		6.77	3	7.10	13	6.44	3	B3	4	113974	V	
1398	AX MON				-0.0061		5.32	١		1	" ' '		F2	1	234539	ס	1
1399	-Z-1 PUP		-50 12 10.96 +15 56 24.67		-0.0011		6.35	1	1		1	1	A5		95778		
1400	19 GEM	1 00 60 441/98	1117 20 54 01	i	1 0 - 0 0 - 1	0.407.	1 2100	1	1 .	1	1	1 -	1	1	1	1	1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCEMSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM		N		B N	1,1"	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G H
			+32 29 32.77	-0.0020	-0.019	5.6						V W		59104	٧.	
1401	ww AuR 20 BGEM	06 29 22.716	+17 48 59.94	+0.0030	+0.033	7.78	4				- 1	F8	11	95794	0	
1402	1 7 7	06 29 23,414	+17 49 17.07	+0.0025	+0.030	7.24	4					F8	14	95795 171888	'v -	
1403 1404	20 A GEM	06 29 32.673	-24 07 37 14	-0.0005	+0.005	9.6	6	_	1 . 1			A3	<u>^</u>	114023	Y?	
1405	12 MON	n6 29 39.948	+04 53 36 14	-0.0027		5.83	2	6.83	2		2	KOIII BO.5IV		171805	να	1
140b	4 X1 - 1 CMA	06 29 46.283	-23 22 52.26	-0.0008		4.33	2	4.09	2	3.11	2	M1		196906	v	
1407	SX CoL	06 29 50.933	-36 54 14 85	-0.0007		6.31	_	7.94 4.50	2	4.32	2	ADTB		114034		
1408	13 MON	06 30 11.958	+07 22 16.36	-0.0002	1 .	4 • 50	2	4.50	-	4.52	-	KO		25814		1
1409	7 LYN	06 30 23.285	+55 23 32.05	+0.0004	1 -	6.38	6					K5	6	133392	V	1
1410	Z MON	u6 30 25.105	-08 50 02 42	-0.0028		9.2	4					G	4	1038	V	
1411	SV CAM	06 30 36 662	+82 18 46 30	+0.0232		9.	7			1.75		AD	6	249576	V.	
1412	RX PIC	06 31 07.530	-63 29 53.47	+0.0004		5.78	١,		1			В9		234564	0	
1413	MU PIC	06 31 13.640	-58 42 56 82	+0.0000		6.88	4		1			- A'0	4	95852		1
1414	22 GEM	06 31 42.208	+19 28 09.56 +56 25 41.18	-0.0042		6.53			1			F2	4	25829	l	1
1415	9 LYN	06 31 49 240	+45 39 50 99	-0.0011		8.5	5		1			MB	5	41193	٧	1
1416	TU AUR	06 32 03.125	+28 03 47.31	+0.0003		5.09		5.060				B9.5V		78524	n.	1
1417	49 AUR 14 MON	06 32 03.838	+07 36 46.81	-0.0008	-0.005	6 • 45	2	6.43	2	6.40	2	An	4	114085 95862	1 'v	ľ
1418 1419	W GEM	06 32 05.556	+15 22 16.39		+0.001	6.7	4	7.450			١,	G5 AOV	1 4	171982	"	
1420	5 XI - 2 CMA	n6 32 57.562	-22 55 26 07		+0.013	4.54	2	7.89	2	4.47	2	C5=3		59290	l v	
1421	UU AUR	06 33 06 637	+38 29 16 10		-0.028		2	6.810	2		Ι,	5GG7		13897		
1422	8 LYN	06 33 07.503	+61 31 40.35		-0.278	5.91	4	0.010		1000	l '	F5	4	95889		1
1423	23 GEM	06 33 08.384	+16 50 21 47		-0.029 +0.011	6.69 5.77	"		1			AO		25842		
1424	11 LYN	06 33 23.589	+56 54 01 • 58		+0.011	5 80	2	5.80	2		ľ	89111	1	234589		1
1425	N CAR	06 33 52.402	-52 56 02.61 -18 37 02.99		+0.015	5.81	-					GBIII		151694	י ני	
1426	6 NU - 1 CMA	06 34 11.403	-19 12 43.33	+0.0040	-0.077	3.920] 1	4.970	1	5.960		K1IV		151702		1
1427	7 NU - 2 CMA 24 GAM GEM	06 34 49.396			-0.044	1.920	1	1.920	1	1.970	1	AOIV	1	95912	1	
1426	51 AUR		+39 26 13.19	-0.0019	-0.111	5.54	1			1	1	GK5 A P	İ	59316 78571		-
1430	53 AUR	06 35 12.754			-0.022	5.51	1	5.500				BSIII	1.	59319		
1431	52 PSI - 3 AUR	ne 35 20 296	+39 56 51 00		/ -0·014	5.26	١,	5.190	1		2	K1II-III	1	151730	1	
1432	B NU - 3 CMA	06 35 41.389	-18 11 34 . 09		-0.009	4 • 42	2	5.57	2	6.61	2	K311-111		41239		
1433	50 PSI- 2 AUR	06 35 45.703	+42 32 06 13		-0.059	4.79 6.55	4	0.02	1-	1.52	-	A2	4	13917		ŀ
1434	41 СДМ	06 35 54.294	+61 58 07.01		+0.021	3.170		3.060	11.	2,650	1	BBIII	`	218071	1	1
1435	NU PUP	06 36 13.796	-43 09 04 • 09		-0.015	5.86	1	5.770			1	BellI		78593	ס	١.,
1436	54 AUR	06 36 23.934	+28 18 33.02 -48 10 28.82		+0.012	4.93	2	5.80	2	6.39	2	GG6		218093	ס	12
1437	-Y- 0 PUP	06 37 17 507	+28 14 40 66		-0.010	6.39					1	G5IB		78636	1	
1438	25 GEM		+09 56 37.02		-0.007	4.66	2	4.42	2	3.35	2	07		114258	עם	
1439	15 5 MON	06 38 45.743	+55 31 24.87		1-0-004	8.3	6					M2	6	25893	V	
1440	VW GEM		+31 30 13.51	-0.0009	-0.026	8.1	6		1.	·	_	C3-9	7	59383)	1
1442	55 PSI- 4 AUR	ns 39 26.746	1+44 34 29 10		1-0-029	5.02	2		2	8.33	2	KSIII		41288 96015	1	
1443	26 GEM	06 39 29 620	+17 41 45.37		-0.089	5.10		5.160		E 0110	1	A2V G8IB		78682	DV3	
1444	27 EPS GEM	06 40 51.363	1 + 25 10 56 • 92		3 -0.015	2.980				5.840	2	KIIII		96051	D	1
1445	30 GEM	06 41 10.098	+13 16 48 38		2 -0.060	4.49	2	5.65	2	6.82	١	GK4		78692	V?	-
1446	28 GEM	06 41 35.35	+29 01 24-11		6 -0.027	5.48	2	4.95	2	5.02	2	AZN	1	25939	ם ו	.
1447	12 LYN		3 +59 29 41.90		8 -0.003	8.0	16		-	7.02	1	AO	7		V	1
1448	AW CAM		7 +69 40 59 69		3 +0.022 9 -0.194	3.360			1	3.850	1	F5IV	1	96074	٧?	1
1449	31 XI GEM		5 +12 57 04 - 31		7 -0.039	5.38	1	1	-	- ' - '	1	KOIII-IV	1	25947		
1450	13 LYN	1 06 42 34.031	+57 13 25 14	70.00	1 0000	1 - 30	1	1		1	1		1	1		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

UMBER	STAR DESIGNATION	RI + ASCEN + HR MN SEC		PZ				N		вz	UV MAG.	U N	SPECTRAL CLASS	S !!	SAA CAT.MO.	STAR PROP.	
1451	10 FT CMA	06 42 34.183	-31 01 04.81		-0.0016 +0	.006 4.	96			7		-	83P		197149	٦V	Ì
1452	9 ALP CMA	U6 42 56.713	-16 38 46.37	С	-0.0379 -1	-211 -1	460	1	-1.460	1	-1.960	1	A1V		151881	ח	İ
1455	32 GEM		+12 44 50.38		-0.0000 -0		-39	- 1					F0		96084	٧?	١
1454	56 PSI - 5 AUR		+43 37 45.74	100	-0.0002 +0		.22	ļ	5.790				GOV		41330	n	١
1455	V 505 MON		+02 33 09.96		+0.0002 -0			6					B 5	6	114378	V	1
1456	16 MON		+08 38 30 - 21		-0.0004 -0			2	5.76	2	5.07	2	B3V	•	114388		-
1457	57 PSI- 6 AUR		+48 50 40.75		-0.0002 +0		15	-		_			KITIT		41346		
1456	ZET MEN		-80 45 48.14		-0-0074 +0			2	5.84	2	5.99	2	A4IV		258451	ŀ	
1459	11 CMA		-14 22 15.42		-0.0006 +0			2	5.25	2			B8		151919	1	
1460	MR MON		+01 35 05.08		-0.0010 -0			6					MA	6	114409	l v	ļ
1461	17 MoN		+08 05 34 26	1	-0.0019 -0		- 1	2	6.17	2	7.82	2	KATIT	-	114410		
1462	12 CMA		-20 57 36.18		-0.0014 +0			2	5.89	2	5.27	2	88		172318		
1463	18 MON		+02 28 06.45	l	-0.0014 -0			2	5.57	2	6.61	2	KOIII		114428		
1464	-X PUP		-37 52 24.62		-0.0015 -0			2	5.18	2		-	BOIV		197215	Ð	
1465	42 CAM		+67 37 48 63		+0.0012 +0		02	_		Ĭ -		1	BSIV		13973	1	
1466	PZ MON		+01 16 32 69		-0.0019 -0			6					K0	6	114440	V	
1467	O CAR		-55 29 02.06		+0.0005 +0	017 5	61	2	7.13	2		1	K2		234710		
1468	15 GEM		+32 39 55 87		-0.0034 -0		• 71	· i	1 7				GK4		59521	٧	
1469	RX GEM		+33 17 51.72		-0.0012 -0	0.019 9	• 0	6					A2	6	59533	ν	
1470	33 GEM		+16 15 40.93		-0.0013 -0		•73	- 1	5.590				BSIII		96161		
1471	58 PSI - 7 AUR		+41 50 32.27		-0.0021 -0			2		2	7.64	2	KSIII		41380	1	
1472	35 GEM		+13 28 20.57		-0.0002 -0		•74	-1		ĺ			GK3		96179		
1473	ALP PIC	06 47 40.725	-61 53 14.35		-0.0101 +0	1.266 3.	265	1	3.475	1	3.615	1	A5V		249647		
1474	13 KAP CMA	06 47 58.322	-32 26 58.66		-0.0009 +0	.002 3.	950	1	3,720	1	2.790		B2VE		197258	ŀ	
1475	V 592 MON	U6 48 17.803	-07 58 53.32		-0.0008 -0	0.002 6	•31	2	6.31	2	6.33	2	A2P	7	133761	V	
1476	43 CAM	06 48 19.454	+68 56 58 72	1	+0.0011 +0	0.006 5	.14	١.	-				B7IV		13986		
1477	36 -D GEM	06 48 33.241	+21 49 19.14		-0.0007 -0	0.034 5.	·18	.	5.160				A2V		78805	ס	
1476	14 LYN	06 48 40 820	+59 30 37.68	ŀ	-0.0006 -0	.040 5	•38	.					GGO		26012	D	
1479	TAU PUP	06 48 41 683	-50 33 15.49		+0.0033 -0	0.074 2.	920	1	4.120	1	5.330	1	KOIII		234735		
1480	A CAR		-53 33 47.16	1	-0.0004 +0	0.030 4.		2	5.32	2	5.93	2	GG3		234737		
1481	V 519 MON	06 48 55.117	+00 01 40.45		-0.0004 -0	0.031 8	• 7	6 [100		M2	6	114519	V	
1482	5X MoN		+04 49 31.93		-0.0009 -0	0.022 8.	•5	6		l	1		MB	6	114535	V	
1483	54 THE GEM	06 49 29.672	+34 01 24.57	ľ	-0.0001 -0	0.051 3.	.600	1	3.700	1	3.840	1	ASIII		59570	D	
1484	59 AUR	06 49 35.149	+38 55 51 . 05	١.	+0.0005 +0	0.006 5	96	- 1		1		l	A7N		59571	D	
1485	60 AUR	06 49 47.756	+38 30 08 68	1	+0.0030 -0	.178 6	•25	- 1	* .	1	l		DF5	١.	59576		
1486	61 PSI- 8 AUR	06 50 31.472	+38 34 05 86	١.	-0.0008 -0	0.028 6	• 24	1	6.190	1	1		B9P?		59589		
1487	GY MON	06 50 42.753	-04 30 48.57		-0.0001 +0	0.000 9	•0	6		1			NB	6	133825	V	
1488	15 EY CMA	06 51 23.118	-20 09 40.03	1	-0.0009 +0	0.003 4	-83	2	4.62	2	3.66	2	BIIV		172520	V	
1489	38 -E GEM		+13 14 34.72	ŀ	+0.0053 -0			2		2		2	FOVP	l	96265	DA3	
1490	14 THE CMA	06 51 51.951	-11 58 28 64		-0.0098 -0	0.017 4.		2		2		2	K4III		152071		
1491	IUT VOL	06 52 01.688	-70 54 05.41		+0.0003 +0	0.018 5		2		2	4.91	2	B6IV		256344		
1492	16 OMI- 1 CMA	06 52 03.362	-24 07 12.87		-0.0009 +0	0.011 3.		2	5.63	2	7.63	2	KSIAB		172542	l V	
1493	EZ CMA	06 52 08.092	-23 51 51 60	1	-0.0010 +0	0.001 6.	-55	4			5.650	7 :	WN5	7	172546	V	
1494	37 GEM		+25 26 24.14		-0.0030 +0		•67					1	DGO		78866	1	
1495	AU MON	06 52 22.469	-01 18 40.78		-0.0014 -0		.8	6	100				B5	6	133887	V	
1496	PSI- 9 AUR		+46 20 23 27		+0.0018 +0	0.012 5	•75		5.690			1	B8		41446		
1497	17 CMA	06 52 53.107	-20 20 22.93		-0.0006 -0		•75					1	A2		172569	D .	
1498	15 LYN		+58 29 26.92		-0.0003 -0			2	5.20	2		2	G5III-IV		26051	יי	
1499	19 PI CMA	06 53 27.261	-20 04 17.13	l	+0.0029 +0	0.041 4		2	5.05	2	5.11	2	GF2	L	172579	D	
1500	18 MU CMA	06 53 49.103	1-13 58 38.75	1	-0.0005 +0	0.002 5	•00	2	6.18	2	1	· '	G5+A2		152123	D	1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CATANO.	STAR PROP.	G N
1501	20 IOT CMA	06 53 54.354	-16 59 16.84	-0.0007	+0.008	4.37	2	4.31	2	3.61	2	B3II		152126	٧?	
		06 53 58.335		-0.0021		4.90	2	4.93	2	4.98	2	A2V		41463	٧?	1
1502 1503			-08 59 48 39	-0.0023		8.4	6					GM3E-M4	7	133942	V	1
1504	51 (3)		+38 07 22.55	-0.0034		5.99	2	7.22	2	8.38	2	K2III		59658	1	1
1505	62 AUR RV MON		+06 14 08.25	-0.0018		7.6	6]			NB	7	114704	V	Ì
1505 150b	39 GEM		+26 n8 55 02	-0.0124		6.02						DF4		78929	1	1
1507	V 523 MON		-08 57 32.47	-0.0006		7.5	6					MR:	6	133965	V	
			+25 59 02.04	-0.0007		6.28		6.140				BAIII		78947		1
1508	40 GEM		-34 02 33 48	-0.0017		5.06	2		2			B5		197427	į	1
1509	-T PUP		-28 54 10 24	+0.0001		1.500		1.290		0.360	1	BZII		172676	n	
1510	21 EPS CMA		+55 24 06.74	-0.0005		6.5	4		-			SE	4	26007	V	
1511	R LYN		+16 08 58 89	-0.0005		5.62						CK4		96363	}	1
1512 1513	41 GEM		-22 02 53.31	-0.0008			2	6.36	2			B3IV-VNE	7	172725	ער	
	V 526 MON		-01 03 29.95	-0.0005		8 8	6		1			GO	-6	134074	V	1
1514 1515	42 DME GEM		+24 17 18.71	-0.0005		5.16	^	6.090	1			GSII		78909	V?	1 -
1515	NP GFM		+17 49 42.62	+0.0011		6.00	7	7.59	7.			M1	7	96407	l V	
	22 SIG CMA		-27 51 43.32	-0.0006		3.430	1	5.150	1	7.020	1	MOTAB		172797	עט	
1517 1518	THE MEN		-79 21 01.00		-0.002	5.45	2	5.50	2		2	AD		256355	1	1
1518	19 MON		-04 09 54-91	-0.0011			2		2		2	B1V		134106	V?	1
1520	TX PUP		-41 32 14.02		-0.017		6					GO	6	218394	y	
1521	24 0MI- 2 CMA		-23 45 32.46		-0.001	3.010		2.930	1	2,130	1	B3IA		172839		
1522	43 ZET GEM		+20 38 43.45	-0.0006		3.650	1	4.340	1	4.820	1	F718		79031	DV	
1523	Z CMA		-11 28 35.91	-0.0014		8.6	6		j.			BP	6	1523n2	V	ŀ
1524	23 GAM CMA		-15 33 28.79	-0.0004		4.12	2	4.01	2	3.53	2	BAII		152303	1	
1525	44 GEM		+22 42 50 . 54	-0.0003		5.87	ł	5.840		100	1	B9.5V		79042		
1526	C PUP		-42 15 44.93	-0.0016	+0.067	5.20	2	5.40	2			A.M		218424		1
1527	H PUP		-49 30 35 90	-0.0053	+0.146	4.93	2	5.07	2	1		A2M		218427	1	1
1528	V 569 MON	07 03 27.976	-10 34 59 24	-0.0004	-0.032	6.49	2	6.44	2	5.56	2	BO.5IVN	7	152363	עמ	1
1529	TW GEM	07 04 17.604	+22 35 15.40	-0.0004	-0.015	7.8	5					MOIII	7	79067	V	1
1530	FN CMA	07 04 19.773	-11 12 56 53	-0.0012	-0.008	5.39	2	5.44	2	4.60	2	B0.51V		152304	ΩV	l. '
1531	R GEM	07 04 20.784	+22 46 56.72	+0.0003	-0.004	6.5	1		1	10.00		S3-9E	:	79070	V	ľ
1532	17 LYN	07 05 09.524	+60 52 24.38	-0.0011	-0.050	6.73	4		L		ľ	K0	4	14095		
1533	FV CMA	07 05 17.090	-23 45 39.91	-0.0007	+0.021	5.75		5.55	7	1	l	B2IV-VE	7	173002	V	1
1534	D PUP		-40 48 50 15	-0.0013	+0.003	5.91				11	ļ	B9		218465		
1535	45 GEM	07 05 29.997	+16 00 44 - 16	-0.0005	-0-102	5.41	1	1		1		GG8		96535	D	
153 ₆	W CMA	07 05 43.195	-11 50 35 15	-0.0024	+0.023	7.0	6					NA	6	152427	V	
1537	R CMI	07 05 57.563	+10 06 16 10	-0.0008	-0.009	7.2	4					SE	4	96548	l v	
1538	AC CAR	U7 05 58.097	-58 18 06 02		-0.002	9.1	7	1.1	1		l	MC	6	234939	V	1
1539	SW CMA	07 06 07.882	-22 21 36.06		-0.004	9.1	6		1		Ŀ	A0	6	173039	V	
1540	25 DEL CMA	07 06 21.435	-26 18 45.36	-0.0006	+0.003	1.840		2.510	1	3.050	11	F8IA		173047	1	
1541	AP MON	07 07 07.584	-06 39 02 98		+0.020	8.7	6	l _			l_	M2	6	134271	V	1
1542	A PUP	07 07 10.276	-39 34 27 71		+0.004	4 - 83	2	4.65	2	3.96	2	B3V		197632		
1543	20 MON	07 07 44.624	-04 09 27.36		+0.214	4.92	2	5,95	2	6.73	2	KOIII	1	134282	2002	1
1544	46 TAU GEM	07 07 57.505	+30 19 44.65		-0.047	4.42	2	5.68	2	7.08	2	KZIII	i .	59858	DA5	1
1545	63 AUR	07 08 13.118	+39 24 14.81		+0.001	4.91	1				1	K4II-III	ŀ	59866		
1546	47 GEM		+26 56 25 81		-0.040	5.58	l	5.700			L	A4V	ŀ	79141	l	
1547	21 MON	07 08 50 243	-00 13 04.59		-0.013	5.46	2	5.75	2	5.89	2	A8N		134316	V	1
1548	GAM- 1 VOL		-70 24 57.88		+0.097	5.718		6.628		7.238		DF4		256373	DA5	16
1549	GAM- 2 VOL	07 09 10.804	-70 25 04.75		+0.102	3.778		4.688		5.298		GSIII		256374	DV?	16
1550	22 DEL MON	1 07 09 18-620	-00 24 30 42	1-0.0003	+0.005	4 • 15	12	4.15	12	4.19	2	AOIV		134330	D	1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

	STAR DESIGNATION	RT. ASCEN.	DECLINATION P	RA PM	DEC PM	VISUAL N	N		B N	MAG.	U N	SPECTRAL CLASS	S N	SAT-NO.	STAR PROP.	G N
NUMBER			+24 12 50.05	-0.0015	-0.050	5.86	2	6.23	2			GF4		79162	ν	
1551	46 GcM	17 09 24.141	1424 12 50 05 19	+0.0036		7.6	4					MB .	4	14121 79172		
1552	AA CAM	07 09 34.134	+68 53 25 18	-0.0007		6.89	4					AO	4		ı	
1553	49 GEM	07 09 44.906	+25 50 01.82	-0.0010		5.86	- 1				1	B3		173193	V .	
1554	26 CMA	07 10 09.3/3	-25 51 27.36	+0.0010		5.08		100				M4III		96638	\	1
1555	51 BO GEM	07 10 30 024	+16 14 43.74	-0.0022			2	5.37	2	5.46	2	AP	ł	218525 218537	1	
1556	E PuP	07 10 36.336	-46 40 29.97	-0.0136		4.49	2	4.81	2	4.80	2	FOV	١.	134383	l v	1
1557	I PUP	07 11 06.037	-02 49 17.45		+0.004	9.0	6		١.			AO	6	26248	1 '	1
1558	V 536 MON	07 11 23.000	+59 43 44 86		-0.259	5.22	- 1		1		١_	K2III		79199	DV?	
1559	16 LYN	07 11 33.304	+24 58 24 86		-0.094		5	7.38	2	9.21	2	MIIII		218546	V?	1
1560	52 GEM	0/11 30-340	-45 05 42.29		-0.100	4.90	2	4.88	2			ASI	6	173257	l v	1
1561	L-1 PUP	07 11 58 263	-26 01 20.77	-0.0009	+0.014		6		١.		١.	M3 GM5E	l o	218549	DΫ	1
1562	CO CMA	07 12 00.687	-44 33 26.39	+0.0098	+0.330	5.100		6.660		7.950		BSITIPE	1	173264	DV	
1563	L= 2 PUP	07 12 12 835	-26 15 54-11		+0.005		2	4.45	2	3.76	2	GG5	1	134414	l n	1
1564	27 EW CMA	07 12 45.781	-00 04 22.96	-0.0016	-0.004		2	7.31	2	7.88	2	AO	4	258465		1
1565	24 MON A OCT	07 12 46.518	-88 41 00.92	-0.0122	+0.015	1	4		1.	0 000	١.	BSIVE	1 1	173282	l v	
1566		07 12 46.891	-26 41 05.01		+0.004	3.820	1	3.640	1 -	2.900	1*	GM1	ĺ	79221	V.3	1
1567	28 OME CMA 53 GEM	n7 12 49.878	3 +27 59 10 • 63		-0.001	5.70	,					KO	6	152649	٧	1
1568	53 GEM	07 14 16.71	-11 23 50 68		-0.001	1 - 1	6		1			MC	6	41678	l v	
1569	RS LYN	1 07 14 28.716	5 +48 36 38 02		-0.015	8.8	6				1	A3	1	41679	1	1
1570	64 AUR	n7 14 33.78	1 +40 58 27.16		+0.012	5.71	4		1	1.		F8	1 4	26269		
1571	45 CAM	n7 14 52.50	5 +59 13 03•90	+0.010	L -0.027	7 63		3.700	١,	3.790	1	ASV	1	96746	DV?	1
1572 1573	54 LAM GEM	1 a7 15 13.19	8 + 16 37 56 • 12		+ -0.039	3.580						KSIIT	1	197795	٧?	1
1574	PI PUP	n7 15 22.55	0 -37 00 23.90		+0.003	2.700	ı.		1] 3.3,	1	K2	4	26274		ŀ
1575	46 CAM	n7 15 33.10	9 +59 20 45 • 11		5 -0.031	9.1	,	10.090	٦ ا ،		1	Ke	6	14157	V	
1576	RU CAM	07 16 20.36	3 +69 45 53.38		0 -0.013	5.96	ľ	120.000	T		T	B9		218618	1	- 1
1577	M PUP	1 07 16 31.27	71-43 53 39.99		0 +0 • 000	4.67	2	4.57	12	3.78	2	B3VE		197824	1	- 1
1578	UPS- 1 PUP	1 07 16 31 67	6 -36 38 30 49		B -0.001	4.950						07F		173444	V_	
1579	29 UW CMA	n7 16 35.37	5 -24 27 58.78		B -0.002	4.400						09111	ļ	173446	UA3	1
1580	30 TAU CMA	16 38.00	6 - 24 51 42 • 54		0 +0.008	5.24	1	''-'	1-			A1	·	197836	I	ŀ
1581	F PUP	1 07 16 51.19	4 -39 07 04 40		2 +0.005	5.11	2	4.95	2	4.28	2	B3V	1.	197837	1	- 1
1582	UPS- 2 PUP	l n7 16 51.45	4 -36 39 00.67		7 +0 • 001				olī			FSII	1.	249809	1 _	
1583	DEL VOL	107 16 51.65	9 -67 51 56 77		1 -0.004 8 -0.014	3.530			oli			FOIV		79294	י מון	
1584	55 DEL GEM	07 17 08.26	5 +22 04 34 08	40.001	5 -0.134	5.4	-	5.750	0 7			F1V	-1	152724	V	١
1585	R CMA	07 17 12.30	7 -16 17 59 94		5 +0.013		1		.1		i	A M		26298	D _V	ı
158 ₀	H7 CAN	07 17 54.97	4 +59 59 49.72		0 -0.009	i	6		1	1		K0	6			- 1
1587	AR MON	07 18 20.45	4 -05 09 54.68		4 -0.026		1		1		- 1	GBIII	.1	60010		- [
1588	65 AUF	07 18 42.35	4 +36 51 23.47		5 -0.026		1		-			AO		26311	1 7	- 1
1589	19 B LYN		3 +55 22 51 •68		2 -0.031		l		-		1	88	1	26312 79328	1 7	- 1
1590	19 A LYN		1 +55 22 40.73 9 +20 32 22.78		6 -0.030		İ		- 1			GMO	1 .	1	1	1
1591	56 GEN		5 -23 41 51 68		1 -0.009		6		- 1	1	- 1	B9	1 6	79352	1 -	ı
1592	CW CM		0 +25 08 54 - 35		0 -0.025		1		1		1	GSIII		79354		1
1593	57 A GE		5 +23 02 35 89		5 -0.038		1	5.95	0	1	ı	A1V		41738		ı
1594			18 +40 46 14.17		5 -0.027				1		1	KOIII		1179		. 1
1595	66 AU		3 +82 30 50 36		3 -0.041			١		.	٦.	GM4	1,			Į
1596		7 07 20 40.90	3 -25 40 11.90		6 +0 -02	8 18	1	8.15	0	1 7.46	V 1		1,	79366		ı
1597			59 +27 44 10.82		0 +0.015	5 - 64	1				٦١.	GFO?	1	173651		1
1596			72 -29 12 16.04		6 +0 -00	2 2.440		1 2.35	0	1 1.64	o la			96871		
1599		A U/ 22 UD.9	45 +11 46 08.64		2 -0.01						1	AHIII	- 1	300/1	L	
1600	1 CM	1 07 22 11.5	12 411 40 00,04	1			1			<u>,</u>						;

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	У И	BLUE MAG•	B N	IJV MAG.	U N	SPECTRAL CLASS	5	SAT CAT.NO.	STAP PROP.	G N
		07 00 01 1197	-16 06 06.39	-0.0014	-0.013	5.33		5.29				B3VE		152834	, v	
1601	FW CMA		+27 53 57-17	-0.0091		3.790	1	4.830	1	5.670	1	KOIII		79374	1	1
1605	60 IUT GEM	07 22 31.313	+09 22 34 68	-0.0005		4.99] [5.50	2	6.78	2	GRIII		115425		1
1603	2 EPS CMI	(7 22 54.913	+49 18 46 66	-0.0012		4.64	2	4.62	2	4.60	2	A1IV		41764		Į
1604	21 LYN	07 22 30 647	+20 21 32.39	-0.0003		5.80	_		1		ľ	A6N		79391	1	1
1605	61 GEM	07 23 39.337	100 23 20 89	-0.0036		2.890	1	2.800	1	2.520	1	B7V .		115456	/ V?	1.
1606	3 BET CMI	07 24 20.337	+08 23 29 89	+0.0004		9.0	6		1		1	A2	6	96912	٧	1
1607	RY GEM	07 24 32.914	+15 45 42.87	-0.0004		6.9	4		1	٠.		MB	4	41784	V	1
1608	LYN.	07 24 33.511	+46 05 35.76		+0.006	9.0	6	11.18	7		4	53,9(C1)	7	152891	V	1
1609	FX CMA	07 24 43.011	-11 37 07-20		-0.124	5.18	١ٽ		1			F5IV-V		79403	D	1
1610	63 GEM	07 24 46.354	+21 32 56 83	-0.0012		5.48	1	5.34	17		1	BOIV-VPE	7	173752	- W .	1
1611	FY CMA	07 24 52.189	-22 59 02.77		-0.046	5.25	2	5.47	2	5,64	2	GFO		115477	ן ח	
1612	5 ETA CMI	07 25 20.734	+07 02 43.34			4.30	2	5.73	2	7.26	2	K3III		115478	n .	
1613	4 GAM CMI	07 25 26 447	+09 01 42.20	+0.0118	+0.015		2	4.50	2	4.48	2	FOV		60118	D	
1614	62 RHO GEM	07 25 53.849	+31 53 08 32				2	5.81	2	5.75	2	F6V		41808		1
1615	22 LYN	07 26 08.560	+49 46 40.59		-0.081	4.99	16	5.100] 3.,3	-	A6V		79427	I	
1616	64 -B- 1 GEM	07 26 13.626	+28 13 22.79		-0.058	4.92	1	3.100	1		1	KZIII		79434	0	
1617	65 -B- 2 GEM	07 26 42.249	+28 01 15.81		-0.026		2	5.84	2	7.21	2	KZIII		96952		ŀ
1618	ь СМІ	07 27 00.821	+12 06 41.66		-0.021		2	5.27	2		۱"	BSIV		198045		1
1619	-Y- 1 PUP	07 27 21.722	-38 42 27.65		+0.019	5.43		4.774		6.544	١,	KSITI	1	218755	ח	12
162D	SIG PUP	07 27 38.615	-43 11 57.43		+0.186	3.254	4	4.77	1	0.344	1	G5	4	134775	l v	1
1621	U MON	07 28 24.264	-09 40 15.41		-0.004	5.6		6 01	2	8.23	2	K2	1	256415		
1622	EPS MEN	07 28 25.568	-78 59 27•44		+0.010	5.53	2	6.81	٦	0.23	٦	C1-C6.5.3	7	79474	Ιv	1
1623	NQ GEM	07 28 52.664	+24 36 37.75		-0.001	8.0	6	14. 1	1			K5	1 4	198072	v	
1624	RY PUP		-34 52 38.97		+0.005	7.72	4	5.47	2	5,67	2	AB	1 7	115581		1
1625	7 DEL- 1 CMI	07 29 30 057	+02 01 18.95		-0.004	5.25	6	5.47	14	3.67	1-	B9	6	198085	lν	İ
1626	MQ PUP	07 29 33.686	-37 53 42.18		+0.004	8.8	4	·		1	1	M7E	l ü	115591	Ιv	
1627	S CMI	07 30 00.288	+08 25 35 49		-0.008	7.0	6				1	F5	6	173963	V	
1628	VX PUP	07 30 27.661	-21 49 19.99		-0.020	8.7	4					КО	l ŭ	97012	j .	1
1629	67 GEM	07 30 33.687	+15 44 52.79		-0.007	6.67		5 00	اء	6.00	2	A5	'	115610		1
1630	8 DEL- 2 CMI	07 30 34.368	+03 23 54 • 02		+0.036	5.59	2	5.90	2	6.00	۱۲	Fo	6	173970	l v	
1631	TY PUP	07 30 35.866	-20 41 02.30		+0.054	8.8	6	1	-	1	1	ко	1 4	173973	ĺ v	
1632	X PUP	07 30 36.786	-20 48 03.32		+0.024	8.0	4		J			AIV	~	97016	1	
1633	66 GEM		+15 56 08.79		-0.015	5.11		5.160		1.630		A1V+AM	9	60198	מ	
1634	66 ALP GEM		+31 59 59 07 C		-0.102	1.580		1.620	' ⁺	1,030	' *	DMIE	1	60199	ΙDV	ı
1635	YY GEM	07 31 26.284	+31 58 50•39		-0.108	9.1	4		1	1		M2IABEP+B	2 7	153072	l v	
1636	KO PUP	07 31 30.073	-14 24 52 04		-0.000	4.98	2	6.38	2		1		f '	115644	1	ŀ
1637	9 DEL- 3 CMI	n7 31 38.445	+03 28 53 51		0.016	5.81	2	5.79	2	5.70	2	A0	1	198130		1
1638	-Z- 2 PUP	07 32 02.380	1 -36 13 43.04		-0.001	5.56	2	5.50	2		1	B3?VNEK		174019	0	12
1639	-N- 1 PUP	07 32 11.738	-23 21 48.32		-0.001	5 • 770		6.200		6.230		DF4	1	174019	Ö	12
1640	-N- 2 PUP	07 32 12 337	-23 21 52 24		-0.013	5.920		6.350		6.380		DF6	1	79533	١ '	1
1641	69 UPS GEM	07 32 50 603	1 +27 00 30 99		-0.109	4.06	2	5.60	2	7.54	2	MOIII		174058	l D	
1642	-P PUP	07 33 22.339	-28 15 27.91		-0.022	4 • 61	2	4.49	2	4.06	2	B8	1 -		l v	
1643	YY PUP	07 33 39.949	-19 16 49.08		-0.005	8.8	6		1.		1	A0	6	153116	ľ	
1644	BN GEM	1	+17 01 01.52	-0.000	-0.010	7.7	5					OBVPE	7	97083	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- 1
1645	Q CAR	07 34 25-490	-52 25 17.59		-0.019	4.94	2	6.34	2	7.97	2	GK2	1	235336		-
	The state of the s	07 34 47 496	-03 59 52.74	-0.0049	+0.014	5.12	2	5.56	2	5.68	2	FSIII		134899	D	1
1646	1 -0	07 35 16 19	7 +35 09 44.62		+0.027	5.49	1	1				GG5	1	60243	D	1
1647	70 GEM	07 35 10 06	3 -48 43 00.46		+0.007	5.72	2	5,66	2			B9	1	218841	1_	1
1648	-Y- 2 PUP	07 35 31 014	34 51 17.92		+0.013	4 • 53	2	4.44	2	4.13	2	B8V		198195	מ	1.
	l - F PuP	1 11/ 33 31+U10	J UT DA J (776		+0.003	7.10	4	1	4 "		1	A2	4	26450		1

TABLE 4 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM		N	BLUE MAG.	B N	0.0	U N	SPECTRAL CLASS	S N	5A0 CAT-NO.	PROP.	
	7- 0V7 C-M	n7 35 54 203	+34 42 03.15	-0.0026	-0.114	4.91	2	5.31	2	5,42	2	F3III		60247		ı
1651	71 OMI GEM	77 33 34.223	-25 15 00.43	-0.0008		4.70	2	4.59	2		2	В9		174175	יני	1
1652	-M PUP	07 36 13.004	17 17 00 19	+0.0004		5.07	_					GMO		97120	V?	
1653	74 -F GEM	07 36 35.413	+17 47 24 19	-0.0473		0.370	1	0.790	11	0.820	1	F5IV		115756	DV?	1
1654	10 ALP CMI		+05 21 16.81 C	-0.0018		6.06	-	00,10	-	0.020		GK5	1 1	26459	•	1
1655	23 LYN		+57 11 57.00			4.494	2	4.304	ا دا	3.744	2	BB	1.	174198	ח	1
1656	-K- 1 PUP		-26 41 12.59	-0.0016				4.424		3.864		B5N		174199	n)	1
1657	-K- 2 PUP		-26 41 19.88	-0.0025		4 • 614	-		7		17	F4IAB	7	218852	V	1
1658	-Y- 3 PUP		-48 29 10 86	-0.0003		5.65			2	8.01	ľ	B5	1 '	198237	1	1
1659	-E- 1 PUP		-36 22 53.93	-0.0011		5.80	2				2	B3N	ľ	198253		
166u	-D- 1 PUP		-38 11 32 04	-0.0018		4 • 85	2	4.66	2	4.01	4			198265	Ь	1
1661	-D- 2 PUP	07 37 57.705	-38 01 23.49	-0.0022		5.74	_				1	85		198268	1 "	
1662	-D- 3 PUP	07 38 01.910	-38 g8 39.65	-0.0015			2		2		ا ا	B3N	ŀ	198273		
1663	-D- 4 PUP	07 38 10.830	-37 27 46 01	-0.0005			2		2	5.50	2	B3IV	1		D	
1664	24 LYN	n7 38 47.235	+58 49 47.02	-0.0047	-0.052		2	5.07	2	5.16	2	ASIII		26474	· V	1
1065	26 ALP MON	07 38 51.466	-09 25 59.53	-0.0052	-0.024	3.930	1	4.950	1	5.830		KOIII	1	134986	l	1
	R PUP	07 38 56.212	-31 32 36.40	+0.0007	+0.010	6.56	2	7.74	2	8.57	2	GOIA		198286	V	1.
1666	UZ PUP		-13 16 30 - 70	+0.0015	+0.050	9•1	6		1		1	F2.	6	153259	V	1
1667	WX PUP	07 39 54.486	-25 45 27.31	-0.0012		8.8	6					GÖ	6	174319	V	1
1668		07 30 55 297	-10 45 38.91	-0.0003		8.7	6		1			S3-6	7	153273	V	ı
1669	SU MON	07 10 02 579	+23 34 08 63	-0.0011		8.3	4		1			M4E	4	79635	V	1
1670	S GEM		+29 00 22.55	+0.0051			l 2	5.41	2	6.38	2	K1III	1	79638	V?	!
1671	75 SIG GEM			-0.0014		5.24	-		ļ	1		KSIII		79650	i	ı
1672	76 -C GEM	07 41 04.022	+25 54 17.99	-0.0022		3.570	l١	4.490	1	5.190	1	GBIII	İ .	79653	D	1
1673	77 KAP GEM		+24 31 10 48		+0.022	4.590		6.220		8.200		GK5	1	174391	DVS	-
1674	1 PUP		-28 17 27 46		-0.024	6.47		6.67			2	FO	6	115864	V	1
1675	AZ CMI		+02 31 33.73	-0.0008		3.950		4.130		4.080		ASTIEP	-	174400	1	
1676	3 PUP		-28 50 03 19			5.90	ļ *:	1.100	1	1.000	1	GK2	- [14321	İ	
1677	51 CAM		+65 34 40 • 21	+0.0056			ľ				1.	GF0	İ	14322	1	1
1678	49 CAM		+62 57 13 10	-0.0051		6.32	ı	6.260	1	1		AOV	1	79665	1	-
1679	79 GEM		+20 26 16 20		+0.005	6.26	١.				١,	KOIII		79666	DV2	ı
1680	78 BET GEM		+28 08 55.11		-0.051	1,140		2.140		3.000			1	256438	Ď	-1
1681	ZET VOL	07 42 26 985	-72 29 10 68		+0.016	3.940	1	4.980	1	5.820	1	KOIII	1.	153362	ا تا	- [
1682	2 B PUP	07 43 10.625	-14 33 48+31	-0.0015	-0.022	6.80					1	AO	ļ		٦	-1
1683	2 A PUP	07 43 11.072		-0.0014	-0.030	6.06	Į.	· _	1			AO	ĺ	153363	1 0	- {
1684	81 -G GEM		+18 38 00 • 94	-0.0051	-0.062	4 - 87	2	6.33	[2	8.09	2	K5III	١.	97221		-1
1685	RZ PUP		-39 43 34.98	-0.0004	+0.006	7.41	4			1	1.	K2	4	198396	V	-1
1686	-C PUP		-37 50 46.51	-0.0012	-0.001	3.610	1	5.340		7.040	1	CK		198398		-1
			+10 53 29 87	-0.0019	-0.024	5.22	1	5.230		1	1	A1V	1	97224	٧?"	-1
1687		07 43 38.664	-14 26 27.59		+0.003	5.04	12	5.37	2	5.46	2	A6N	1 .	153372	1 _	
1688			+33 32 24.61		-0.031	5.14			1	1	1	GM0		60340	D	-
1689	80 PI GEM	07 44 17 705	-42 04 21.62		+0.002	7.5	7				1	M3E	7	218969	V	ı
1690	W PUP				+0.016	7.18	4	}	1			1 A2	4	218988	V	
1691	S PUP	07 45 10 760	-47 59 17 44		+0.005	6.13					1	DF3+A	-1	79704	D	
1692	82 GEM	07 45 34.36	+23 15 59 26		+0.028	8.2	4		1		1	DG3		153413	ס	ŀ
1693	5 B PUP	07 45 36-123	12 04 05.88		+0.055	5.52	1		1		1	DF5		153414	מ	- 1
1694	5 A PUP	07 45 36.136	-12 04 07.99			9.6	15	1	1		1	LAO	7	218999	V	1
1695	KV PuP		-48 24 43.06		0.012		2	4.47	2	3.45	2	BOV		174558	D	1
1696	OMI PUP	07 46 00.394	-25 48 42.76		+0.003	4.52		"""	١٠	1 3.73	1	NA	6	115963	l v	- 1
1697	W CMI		+05 31 08 83		+0.020	8.8	6	1			1	B9	6	153429	l v	- 1
1698	ZZ PUP		-19 10 02.06		+0.032	9.0	6	Ί.	ı	1	1	SE	4	79717	ľ	1
1699	T GEM	07 46 18.12	1 +23 51 38.78		+0.007	8.0	4	1	1		1		7	219006	V	- [
1700	T PUP	1 07 46 25 991	34.75	1 -0.0009	0.031	5.96	1	1		1	1	M1	1	Let your		- 1

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TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N		B N	MAG.	U N	SPECTRAL CLASS	5 N	SAO CAT.NO.	STAR PROP.	G N
		07 46 50.886	-46 57 02.24	-0.0091	-0.079	4.71	2	5.77	2	6.69	2	KOIII		219018		
1701			-24 43 59.22	-0.0005		3.350			1	5.780		631 8		1746n1	Ŋ	1
1702	7 XI PUP 6 PUP	07 47 25-628	-17 05 59.44	+0.0033		5.54						KSIII		153454		1
1703	P PUP		-46 14 47.17	-0.0006			2	3.93	2	2.92	2	B0.5111	1	219035	D .	.[
1704 1705	13 ZET CMI		+01 53 45 19	-0.0013		5.14	2	5.03	2	4.54	2	88		116043		1
1705	B PUP		-12 41 24.96	-0.0005		6.46					1	F2 :		153499		ı
1707	9 PUP		-13 45 50 78	-0.0045		5.160	1	5.760	1	5.820	1	G1V		153500	יי	
1708	10 PUP		-14 42 59.29	-0.0012		5.69						CF3		153520		
1709	84 GEM		+22 27 52.83	-0.0004	-0.009	7.12	4					Ko	4	79768		1
	AD CMI		+01 43 39 14	-0.0012		9.0	6				1	F2	6	116066	V	1
1710	83 PHI GEM		+26 53 48 68	-0.0026	1	4.98	2	5.07	2	5.18	2	A3V	1	79774		
1711 1712	+A PUP		-40 26 45 27	-0.0014		3.730		4.780		5.530	1	GSIII		219082		
1713	TU MON		-02 54 40 . 73	-0.0016		8.8	6			· ·		B8	6	135216	l V	1
1714	25 LYN		+47 31 02.53	-0.0017	+0.003	6.23	1		1			GK2		42055	1	
1715	-B PUP		-38 43 56 84	-0.0008	-0.008	4.49	2	4.30	2	3.61	2	B3V		198545		ŀ
1716	26 LYN	07 51 04 651		-0.0048	-0.000	5.555						GK4	1 .	42058		
1717	J PUP	07 51 49.995		-0.0001	+0.000	4.24	2	4.10	2	3.11	2	BilB	1	219111	1	1
1718	52 CAM		+56 38 17.07	+0.0000	-0.026	6.49			1	1		AO	1.	26579		1
1719	85 GEM		+20 01 03.24	-0.0013	-0.043	5.31		5.270			١.	B9•5V		79799	1	
1720	HU PUP		-28 30 54.94	+0.0011	-0.028	8.9	6				1.	K5	6	174817	V	
1721	1 CNC		+15 55 31.23	-0.0019		5.81				1		GK3		97399	l	1
1722	MW PUP	07 54 26 166	-44 46 44.05	-0.0015	+0.002	9.2	6	ŀ		100		A0	6	219162	V	1
1/23	11 -E- 2 PUP	07 54 42.490	-22 44 43.84	-0.0024	+0.005	4.20 3.470	2	4.92	2	5.36	2	F8II		174852	1	
1724	CHI CAR	07 55 30.426	-52 50 50 75	-0.0037	+0.025	3.470	1	3,290	1	2.640	1	B2IV	1	235635		1
1725	N PUP	07 55 41.224	-43 58 27.87	-0.0002	+0.007		2	4,92	2			B3	1	219197	D .	1
1726	14 CMI	07 55 45.091	+02 21 34 14	-0.0108		5.28	2	6.19	2	6.91	2	KOIII	I _ `	116182	ļ	-
1727	AP PUP		-39 59 14 80	-0.0033		7.50	5 2		L		1	F5?-F8?	7		V	1
1726	O PUP	07 56 17.441		-0.0012		5.17	2	6.44	2	ł		GK4	1 .	219219	V	1
1729	AG PUP	07 56 20.720		-0.0017		8.7	6		١.		١.	K5	6	174904	υV	
1730	V PUP		-49 06 30 44	-0.0016		4.200		4.020	1	3.070	1	B2N	1	219226 135333	V	-1
1731	UX MON		-07 22 03.86	-0.0017			6				1	A3	6	174932	l .	1
1732	12 PUP		-23 10 24.06		-0.002		2	6.23	2			CK2	1	135345	I .	1
1733	27 MON		-03 32 31.18		-0.008		2	6.14	2	7,35	2	KZIII	7	14402	V .	- 1
1734	53 AX CAM		+60 27 48 10		-0.022	6.00	l	6.130	1			A2P IGG8	'	79861		- [
1735	2 OME CNC		+25 31 52.56	+0.0010		5.75	l					GK3	ı	97472		
1736	3 CNC		+17 26 49.93		-0.008	5.55	1		1			DFB		26634		1
1737	54 CAM		+57 24 51 • 02		-0.066	6.40	1	5.840			1	B 9 V	1	97485	ì	
1738	5 CNC		+16 35 40 63		-0.009	5.86	٦		12	7.93	12	K4III		135380	•	1
1739	28 MON		-01 15 08.75		-0.077	4.67	2	6.16	2	1.90	2	AIV	l .	79869		
1740	4 CNC		+25 13 43.71		+0.017	6.16	6	6.170	١.		1	F8	6	175004	V.	
1741	AA PUP		-24 34 40.55		+0.003	9.4			1		1	1 0	1 0	97496	l v	
1742	UU CNC		+15 19 07 06		-0.004	8.9 4.820	6	4.650	,	4.030	١,	BSIV		250069	1	
1743	D- 1 CAR	07 59 42.321			+0.019	6.8	6	7.050	1	1 ******	1	MB	6	60532	l v	
1744	SV LYN		+36 29 10 23		-0.035	4.89	١٣	1			1	KZIII	1	79896	1	1
1745	CHI GEM		+27 56 10 • 14		-0.044	6.85	4	' '		1	1	KO	4	79903	1	
1746	7 CNC	08 00 53.481				2.250		1.980	1.	0.890	h	05F		198752		1
1747	ZET PUP	08 01 49.552			+0.011	5.11	1.	5.110		0.030	*	AOIV		97542		1
1748	6 CNC		+13 15 43 55			5.40	1	7.32	7		1	CM1		198764	V	
1749	MZ PUP				+0.002	6.13	2	5.97	ź		1 "	B3V		153796	'	
1750	14 PUP	1 00 02 20.224	-19 35 06.67	1-0.0002	. 170.000	1 3.13	15	1	-	1	1	1	1 .	1		┸

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	.,.	U N	SPECTRAL CLASS	5 N	SAN CAT.NO.	STAR PROP.	P.
1751	9 BL CNC	us 03 20.744	+22 46 47.76	-0.0005	-0.008	6.04	.	7.67	7			GM3		79940	У	
	RT PUP	ge 03 32.059		-0.0017	3	10.2	7			2000 B 18		NB	6	198783	ν	
1752	28 LYN		+43 24 20.78	-0.0007		6.20						AD		42174	l _	ı
1753 1754	D= 2 CAR		-62 41 33.14	-0.0012		6.30	2	6.20	2			B4VN .		250101	. D	1
1755	YY CMI		+02 04 26.92	-0.0006	+0.002	8.6	6.					F5	- 6	116352	V	1
1756	SW LYN		+41 56 46.98	-0.0014	-0.037	8.9	6					F2	6	42180	٧	ı
1757	27 LYN		+51 39 09.91	-0.0064	-0.007	4 • 84	2	4.89	2		2	A2V	1	26687	D	1
1756	10 MU CNC		+21 43 42.36	+0.0015	-0.074	5.30	2	5,93	2	6.14	2	GZIV		79950		1
1759	RU PUP		-22 46 00.18	-0.0005	-0.022	8.5	6		1			N3	6	175215	V V	1
1760	15 RHO PUP		-24 09 32.30	-0.0064	+0.048	2.810	1	3.240	1	3,430	1	F6IIP		175217	עמ	1
1761	BG PUP		-20 32 15.77	-0.0026	+0.003		6	100				M2	6	175218	٧	1
1762	11 CNC	08 05 46.237	+27 37 38 97	-0.0012		1	4					KO	4	79974		1
1763	12 CNC	08 05 54.844	+13 47 16 • 08	-0.0001		6.16					١.	DF3		135551	D	i
1764	29 ZET MON	08 06 04.349	-02 50 12.87	-0.0014		4.32	2	5.29	2	6.01	2	G2IB		42201	ľv	1
1765	SZ LYN		+44 37 09•70	-0.0006		8.9	6	9,16	7		l	F2	6	219459	ľv	l
1766	BH PUP		-41 52 58 69	-0.0005		8.7	6		ارا		١,	B9	6	153890	٠,	
1767	16 PUP		-19 05 50 94	-0.0015			2	4.25	2	3,65	2	B5V	4	79991		
1768	13 C _N C		+25 59 35.45	-0.0011		1 7 -	4				l	Ko		153899	l v	1
1769	XY PUP		-11 50 16.08	+0.0026			6			1	1	A3	6	79995	١ ،	L
1770	14 PSI CNC		+25 39 38+31	-0.0050		5.73	۱.	6.560	١. ا		١. ا	DG6		250128	ם	ľ
1771	EPS VoL		-68 28 12.52	-0.0042		4 • 350	1	4.230	1	3.770	1	B5III G8II		14456	1 "	1
1772	55 CAM		+68 37 25 96		+0.006	5.36	١.		١,		1	B3N		219501	D	
1773	GAM- 1 VEL		-47 11 50 48		-0.006	4 • 27	2	4.03 1.580	12	0.640		VC 7+07?	l	219504	DV?	1
1774	GAM- 2 VEL		-47 11 18.31		+0+004	1.830	2	5.19	2	5.16	2	DF7	i i	250131	" .	ı
1775	B CAR	1	-61 08 59.78		-0.283	5.54		6.03	2	3,10	-	DF7	ŀ	153924		
1776	18 PUP		-13 39 03.44		+0.052	9.0	6	0.00	1		1	1		97631	Ιv	L
1777	AA CHC		+19 17 52 23		-0.035	4.72	2	5.68	2	6.45	2	KOIII	1	153942	l n	1
1778	19 PUP	08 08 55.501	-12 46 38 70		+0.008	8.6	6	9.16	17	0.40	-	F8	6	219549	V	1
1779	AX VEL		-47 32 56 46	1		5.102		7.10	Ι΄		1	F8V+G0	Ĭ	97645	ם	1
1780	16 ZET- 1 CNC		+17 47 59.93 L		-0.139		2	5.20	2	1	ı	DG2		97646	D	1
1781	16 ZET- 2 CNC		+17 47 58 38		-0.112	4.45		6.07	2	7.92	2	CK	1	198908	V?	I
1782	-H- 1 PUP	08 09 34.249	-39 28 06 92		-0.023	5.63	1-	5.560		1 ' ' ' '	1-	AP		80016	V .	Т
1783	15 BM CNC		+29 48 28 75		-0.002		6	1 3.300			1	В9	6	219585	l v	I
1784	AO VEL	08 10 24.019	-48 35 43.69		+0.007	5.50	ĭŏ	6.100				FBP		219587	l v	ı
1785	AH VEL	08 10 25.576	-46 29 36 76		-0.003		7	"""	1			F5	16	198930	. v	1
1786	AT PUP		-36 47 34 27		-0.007		2	6.06	2		1	G511	1	153993		١
1787	2c PuP		-15 38 10.95 -34 25 35.61		+0.020	7.59	7	1 0.00	-			F8-K5	7	198944	V	1
1788	RS PUP				+0.005	7.3	5					AO	7	175409	V	1
1789	XZ PUP	08 11 22.061	-35 44 51.41		-0.004		2	4.66	2	3,68	2	B1.5IIIE	7	198957	V	1
1790	-R PUP		+60 32 01.89		+0.005	6.32	ľ		-		1	DA7	1	14479	D	Į
1791	56 CAM	08 11 36.522			-0.010	9.2	7	1	1		1	MB	6	80035	V	١
1792	HX CNC		-40 11 39.07		-0.070	4.44	2	5.61	2	6.70	2	GKO	1	219635	ס	
1793	-H- 2 PUP	00 12 26 227	-44 25 21 80		+0.057	6.60	4		1		1	FO	4.	219640	V	1
1794	AI VEL		+85 16 37.20		-0.008	9.5	6				1	M5	6	1316	V	
1795	FF CEP		+59 43 35.42		+0.001	5.52	1		4	1.	1	A5	1 .	26756		
1796	29 LYN		+09 20 27.73		-0.052	3.530	1	5.010	1	6.780	1	K4III		116569	D	١
1797	17 BET CNC	00 13 40 500	+11 52 52.59		-0.013	6.0	1		1		1	GM7E	1	97694	V	ı
1798	R CNC		-62 45 39.52		-0.025	5.16	2	5.24	2	I .	1	A2		250164	D	1
1799	C-1 CAR	1 08 14 30 097	T-02 40 09.04		-0.003	8.5	4		1	1	1	1	1	250165	פו	1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	48ER 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810	STAR DESIGNATION 57 CAM 21 PUP AU PUP 30 LYN -Q PUP HQ HYA 16 CHI CNC SW PUP 19 LAM CNC	08 16 24.598 08 16 40.940 08 16 51.267 08 17 01.807	-16 07 44.75 -41 33 05.62 +57 54 03.90 -36 30 12.25 -10 00 30.92		RA PM -0.0019 -0.0018 -0.0009 +0.0076	-0.012	VISUAL MAG. 5.68 6.31	N		B N	IJV MAG.	U N	SPECTRAL CLASS GG5	S N	SAO CAT.NO. 14500 154076	STAP PROP.	G N 2;
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1801 1802 1803 1804 1805 1806 1807 1806 1809 181u	DESIGNATION 57	HR MN SEC 08 14 57.187 06 15 05.499 08 15 55.185 08 16 24.598 08 16 40.940 06 16 51.267 08 17 01.807	+62 39 49.67 -16 07 44.75 -41 33 05.62 +57 54 03.90 -36 30 12.25 -10 00 30.92		-0.0019 -0.0018 -0.0009	+0.005 -0.012	5•68	И	MAG .	N	MAG.	N	GG5	Ŋ	14500	PROP.	+-
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1801 1802 1803 1804 1805 1806 1807 1806 1809 181u	57 CAM 21 PUP AU PUP 30 LYN -Q PUP HQ HYA 16 CH1 CNC SW PUP	08 14 57.187 06 15 05.499 08 15 55.185 08 16 24.598 08 16 40.940 06 16 51.267 08 17 01.807	+62 39 49.67 -16 07 44.75 -41 33 05.62 +57 54 03.90 -36 30 12.25 -10 00 30.92		-0.0018 -0.0009	-0.012		1									2:
	1802 1803 1804 1805 1806 1807 1806 1809	21 PUP AU PUP 30 LYN -Q PUP HQ HYA 15 CHI CNC SW PUP	06 15 05.499 08 15 55.185 08 16 24.598 08 16 40.940 08 16 51.267 08 17 01.807	-16 07 44.75 -41 33 05.62 +57 54 03.90 -36 30 12.25 -10 00 30.92		-0.0018 -0.0009	-0.012		- [
	1803 1804 1805 1806 1807 1806 1809	AU PUP 30 LYN -Q PUP HG HYA 15 CHI CNC SW PUP	08 15 55.185 08 16 24.598 08 16 40.940 06 16 51.267 08 17 01.807	-41 33 05.62 +57 54 03.90 -36 30 12.25 -10 00 30.92		-0.0009		6.431										Ι΄
	1803 1804 1805 1806 1807 1806 1809	AU PUP 30 LYN -Q PUP HQ HYA 15 CHI CNC SW PUP	08 16 24.598 08 16 40.940 08 16 51.267 08 17 01.807	+57 54 03.90 -36 30 12.25 -10 00 30.92	1		-0.008		- 1	Į.	٠ ا		- 1	A0 A0	6	219743	V.	1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1804 1805 1806 1807 1806 1809	30 LyN -0 PUP H0 HYA 16 CHI CNC SW PUP	08 16 40.940 08 16 51.267 08 17 01.807	-36 30 12.25 -10 00 30.92		I +0.a076		8.7	6	1	- 1				ן ר	26784	•	1
1	1805 1806 1807 1806 1809	-Q PUP HQ HYA 16 CHI CNC SW PUP	08 16 51.267 08 17 01.807	-10 00 30.92			+0.012	5.89	_		_ 1	-		DF2		199070		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1806 1807 1806 1809 181u	HQ HYA 16 CHI CHC SW PUP	08 17 01.807	-10 00 30.92	1	-0.0093		4 • 45	2	4.67	2	4.78	2	ATTII	7	154105	V	1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1807 1806 1809 181u	16 CHI CNC SW PUP	08 17 01.807			-0.0033		6.31	5	6.64	2	6.81	2	A5	1 1	80104		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1806 1809 181 ₀	SW PUP	the state of the s	+27 22 52•07		-0.0012		5•14	2	5.61	2	5.55	2	F6V	ا ۔	219771	V	-1
1 1 1	1809 181u		กร 17 08 043	-42 35 44.11	1	-0.0034	+0.008	9.4	6					F0	6		٧.	
	181u		05 17 33.902	+24 10 52.39		-0.0016	-0.024	5.91	i	5.880		11 1 1 1		B9V	1	B0113	.,	1
		V CNC	08 18 52 089	+17 26 43.26	d –	+0.0002	+0.011	7.1	4		,			SE	4	97753	V V	
] 1 1 1		FZ HYA	08 18 54.729	+05 07 06.15	1	-0.0040		8.7	6				.	ν _	6	116668	V .	
1 1 1			00 19 24-794	-32 53 39.54		-0.0011	+0.005	4.83	2	6.28	2	7,88	2	KIIII	1	199118		
1	1812		06 19 25-154	+43 21 00.83		-0.0016		4 • 25	2	5.80	2	7.71	2	K5III	1	42319		
	1813		00 19 36-889	+15 09 11.08		-0.0004		8.8	6			·		MC	6	97758	V .	.
	1814	Z CNC	6 19 51 070	-76 45 44.05		+0.0328		4.070	1	4.460	1	4.440	1	F6IV		256496		١.
	1815	ALP CHA		-71 21 20.90		-0.0020		5.37	2	5.31	2	5.00	2	B9	1	256497	D	
	1816	KAP- 1 VOL	08 19 30 302	-71 20 45.60	1		+0.040	5.65	2	5.55	2	5.24	2	AP	1	256499	רו	l l
	1817	KAP- 2 VOL	08 20 07 750	-12 53 34.10		-0.0039		3.13	2	4.13	2			GG7	'	154177		1.
	1818	22 PuP		+18 29 39 10		-0.0037		5.80	-					DFO	1	97781		ĺ
	1819	26 -D- 1 CNC	08 20 30 163	-48 19 44.43	: i	-0.0018		4.82	2	4.67	2	3.83	2	B1V	1	219848	יי	
	1820	B VEL	08 20 39.274	+10 47 40.32		+0.0002	-0.026	6.16						GM2	1	97788	D	
	1821	ZI CNC				-0.0033		1.860	1	3.140	lı	3.330	1	KOII+B	1	235932	٧?	
	1822	EPS CAR	08 21 29.303	-59 20 52.98		-0.0021		7.5	6		-			MB	6	135876	V	
	1823	FK HYA	08 55 05 521	-08 21 27 36	;	-0.0143		5.62	2	6.08	2	6.02	2	DF2	1	135877	1	ı
	1824	1 HYA		-03 35 16 27		-0.0391		4.35	2	5.51	2	6.70	2	KOIII-IV		256503	D	ı
	1825	THE CHA	08 22 10 841	-77 19 26 · 05		-0.0058	10.011	5.29	2	5.30	2	5.29	ĺ	A1		256505	ח	
	1826	ETA VOL	08 22 32.021	-73 14 18 99		-0.0030	-0.156	6.09		"""	-		_	DF4	1	97816		
	1827	25 -D- 2 CNC		+17 12 44 52			-0.027	3.900	١,	3.880	1	3.850	1	AOV	1	135896		10
	1828	30 MON		-03 44 31.46			-0.124	5.63	1		-			KSIII	1	801A1		.1
	1829	22 PHI- 1 CNC		+28 03 34 66			-0.083	7.10	1		l		1	DF1		80184	ח	
	1830	24 A CNC		+24 41 59 89			-0.088	7.64		ľ	1			DF6	1	80185	ŋ	
	1831	24 B CNC	08 23 41.815	+24 42 04 08	?		-0.001	6.32	1	6.500			ŀ	AHIII	1	80187	ם	2
	1832	23 PHI- 2B CNC	08 23 45.649	+27 05 57 10			-0.006	6.30	i i	6.480			1	AUTIT	1	80188	D	2
	1833	23 PHI- 2A CNC		+27 06 00 98				5.59	2	5.81	2	5.90	2	DF0	1	135916	V?	
	1834	2 HYA	08 23 57.287	-03 49 18.50	1		-0.064	5.50	2	7.10	2	9.02	2	MSIII	7	97819	V	- 1
	1835	27 BP CNC	08 23 58.076	+12 49 15.71			-0.103	6.68	1-	/ • • •	15	1 3.02	-	B9V:	7	199222	DV	
	1836	NO PUP		-38 53 39.10			-0.011	3.770		4.900	1.	6.030	1	KZIII	1	250228	٧?	
	1837	BET VOL		-65 58 11.00			-0.161	6.05	1	7.500	1	0.000	1	A5	1	80204		ľ
	1838	28 CNC		+24 18 43.94			-0.061		1	6.060			1	ASV	1	97843	İ	1
	1839	29 CNC		+14 22 39 84			-0.015	5.87		4.210		4.730	١,	G5111		14573	DV?	
	1840	1 OMI UMA		+60 53 14.56			-0.110	3.360			2	7.730	1	DF3		236002		
	1841	F VEL	08 26 14.281	-52 55 20.63	2		+0.012	5.09	7	3.37	15		1	A3	6	199271	l v	1
	1842	AS VEL	08 26 27.552	-38 48 19-20	2		-0.020	8.8					1	G5	6	97854	v	ı
1	1843	TW CNC		+12 37 24.59			-0.011	8•4	6	1:			1	M6E-M7	1 7	135976	ľv	-
	1844	RT HYA		-06 09 00.5			-0.031	8.4	6	5.19	12		1	B5N	1.	219985	l o	
	1845	A VEL	08 27 29.901	-47 45 40 • 3	7		-0.002	5.33	2	3.17	2		1	G5	4	236021	ľv	
	1846	V CAR	08 27 42.525	-59 57 17.92	2		-0.014	7.4	4	8.110	1'			1 .	6	199294	ľ	1
	1847	U PYX		-30 09 25.85			+0.009	8.0	6				1	K5	1 -	42408	ľ	
1.0	1848	TZ LYN		+40 23 38 48	8		-0.041	6.66	14		1			AOP	7 7	116843	Ιv	
	1849	GK HYA	08 28 13.561	L +02 26 34.49			+0.017	9.0	6					G4 A9N	1 ′	80229	'	
	1850	30 UPS- 1 CNC		1+24 15 04.24	4	I -0.006	1-0-049	5 • 65		1							1	

UMREK	STAR DESIGNATION	PT. ASCEN. HR MN SEC	[0-0-1	P RA N PM	DEC PM	VISUAL MAG.	N		B N	MAG.	И	SPECTRAL CLASS	r. 5	SAO CAT-NO.	STAR PROP.
1851	51 THE C.C	08 28 44.803	+18 15 53.29	-0.004	-n.060	5.32		0				CM1		97891	
	VZ HYA	08 29 13.441			7 -0.001	9.1	6				1	.F5	6	136006	V
1852			-47 29 46 60		-0.007	9.0	6	9.87	7					220040	V
1853	AL VEL		+20 36 44.72		2 -0.048	5.35	Ŭ					K3III		R0243	1
1854			+10 14 12.42		-0.008	6.23		6.210			ļ	AOV	l	97902	
1855	34 CNC 32 UPS- 2 CNC		+24 15 22 67		-0.051	6.36	2		2	8.26	2	GOIII		90245	
1856			+65 19 03 83		7 -0.066	5.40	_			U	-	AM		14590	
1857			+36 36 26.92		-0.004	6.06					l	DF1		60896	ļ
1858	32 LyN X CAR		-59 n3 25.26		3 -0.012	8.0	7			- 1	1	AQ.	6	236056	V
1859			-49 25 50 · 11		-0.016	7.00	4	7.19	1 7 I	6.49	٦,	BZIBPE	7	220069	ν
1800	FY VEL		+36 35 33 31		5 -0.048	5.71	1	5.750		0,12	1	AZIII		60907	
1861	33 LYN 35 CNC		+19 45 48.32		5 -0.014	6.58	2	7.26	2		1	GOIIT		97928	
1862	U CLC		+19 04 10 11		7 +0.001	8.4	4				ļ .	MZE	. 4	97942	v
1863		08 33 01.752			+0.016	5.72	2	5.69	2	5.68	2	AP		136076	V
1864	3 HV HYA		-49 46 16.11		+ +0.017	5.01	2	6.34	2	7.72	2	CG7	l	220138	i
1665	A		-58 03 03.51		+0.004	5.26	2	5.12	2		-	B3VN		236105	
1866	-E- 1 CAR -E- 2 CAR		-57 50 08·00		+0.021	4.86	2	5.86	2	6.67	2	669		236106	ł
1867			-50 47 43.88		8 -0.005	5.80	2	5.67	2		-	B9SI	1	236110	
1868	E VEL 36 -C C4C		+09 49 49.87		2 -0.011	5.94	٦ ا	6.030	-			A3V		116953	
1869			+65 11 44.92		9 +0.086	5.64	ا را	6.26	2	6.33	2	GOV	1	14609	İ
1876	3 PI - 1 UMA		+05 52 45 60		5 -0.012	4.17	2	4.17	2	4.19	2	AOV	1	116965	
1871	4 DEL HYA	us 35 17.673			8 +0.002	7.5	4	8.25	17	'•+'		KO	4	220186	V
18/2	RZ VEL		+09 45 02.41		7 -0.010	6.53	2	6.51	2	6.47	2	An	1	116975	1
1873 1874	37 CNC		-26 04 44.07		6 -0.015	5.27	2	5.23	2			AO		176189	יי מ ו
1875	4 PI - 2 UMA	UB 35 51.956			1 +0.024	4.61	Ž	5.78	2	6.94	12	KSIII	ļ	14616	
	UV CHC		+21 20 09 06		7 +0.003	8.9	6		-		-	MO	6	80312	V
1876 1877	-E VEL		-42 48 47.89		1 +0.005	4.14	ž	4.24	2	4.37	2	A9II	_	220204	1
1878	RZ CNC		+31 58 21.73		2 -0.005	8.5	6	9.680			1	KO	6	60954	l v
1879	T VEL		-47 11 10.22		7 -0.011	7.7	4	8.44	7		1	G5	4	220208	V
	4. In the Late of the Late		+03 31 05.48		3 -0.021	4.43	2	5.63	2	6.91	2	K2III		116998	
1880			+19 57 21.43		5 -0.015	6.68	4		_		1	FO	l u	98006	1
1881	38 C ₁₁ C		+20 11 08.03		5 -0.019	6.39	2	7.37	2	8.20	2	KOIII	1	80333	ľ
1882	39 CNC RV HYA		-09 24 32-87		2 -0.016	7.7	5	"		0.20	-	MSII	7	136144	V
1583			+20 08 56 65		5 -0.015	6.52	4		1		1	AO	4	80336	1
1884	40 CNC		+20 21 36 68		1 -0.014	8.0	6	8.30	17		1	F2VN	7	80343	V
1885	BO CNC		+46 00 39 49		2 +0.088	5.35	ľ		1		1	GBIV	1	42490	1
1885	34 LYN		+19 43 23.07		7 -0.010	6.30	2	6.47	2	6.63	2	AM	1	98024	1
			-17 07 23.39		2 -0.161	7.04	4			1	1	МВ	4	154514	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1886	AK HYA ZET PYX		-29 22 55.74		4 -0.100	4.89	2	5.79	2			664		176253	DV?
1889			-12 17 51.03		1 -0.006	4.98	2	6.40	2]	1	KAIII	1	154515	
1891	6 HYA		+19 24 24 21		1 -0.014	8.0	6	1	1		1	A5	-6	98027	V.
	42 CNC		+19 53 51.58		3 -0.019	6.72	4			1	1	A5	4	98030	
1892 1893	BET PYX		-35 07 47.40		2 -0.018	3.980	1 .	4.910	1	5.560	1	GHIII		199490	D
			+10 00 10.39		3 -0.026	7.83	5	8.030			1	F0	5	98035	V.
1894			-52 44 37.10		2 +0.019	3.600		3.420		2.800	1	BSIII		216164	V .
1895	OMI VEL		-70 12 29.53		0 -0.048	5.20	2		2	5.18	Ž	AO	1	256535	Ď,
1696			-46 28 12-11		4 +0.002	3.830		4.530		4.810		F2IA		220265	D
1897	-B VEL		-15 45 45 16		6 -0.096		2	5.95	la	6.87	12	KITIT	1	154552	D
1898	9 HYA		-59 34 55.65		5 -0.004	4.325		4.205	-	3.395		BITTI	1	236181	D
1899	-D CAR		-47 08 16.20		7 +0.006		2	4.89	2	5.01	2	ASII	1	220284	
1900	-N VEL	1 00 23 24.020	11 00 10120	1 1 0 0 0 0 2	1.02000	1	1 -	1	1	1 ~	1-	1	1	1 -	1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUVBER	STAR SESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA DEC PM PM	VISUAL MAG.	N N		B N	- V - I	U N	SPECTRAL CLASS	S	SAO CAT.NO.	STAR PROP.	
		08 40 23.702	121 78 50.82		-0.0074 -0.043	4.66	2	4.68	2	4.69	2	A1V		80378		
1901	43 GAM CNC	08 40 24.319	120 46 51 07	Į.	-0.0002 -0.014	8.0	6					M3	6	80379	. v	
1902	XX CNC		+12 51 41.34		-0.0001 -0.001	5.68						A9S		98069		1
1903	45 A- 1 CNC	08 40 27.129 08 40 36.696	102 34 HE 66		-0.0013 -0.005	4.300	1	4.100	1	3.360	1	B3V		117050	Λ.5	ı
1904	7 ETA HYA	06 40 30 020	110 12 55 57		-0.0013 +0.003	8.0	4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				A0	и	98075	ν	١
1905	S CNC	08 41 04.901	17 12 55 57		-0.0005 -0.001		2	5.45	2	5.96	2	G2IR		136221	1	1
1906	F HYA	08 41 13.052	77 00 10 64]	-0.0014 +0.009			3.510		2.640		B2III		199546		1
1907	ALP PYX	08 41 34.809	-33 00 18+64		-0.0012 -0.23			5.020		6,010		KOIII	ļ ·	98087	י	1
1908	47 DEL CNC	08 41 50.747			-0.0038 -0.006		4		17	.,,,,		K2	4	220356	٧	1
1909	SW VEL		-47 13 17.95	1	1 1		1	5.550	11			AOP	7	98089	V	
1910	49 -B CNC	08 42 02.283	+10 15 50 42		-0.0010 -0.02		2	4.96	2	3.94	2	BOVN	`	220361		
1911	D VEL	08 42 06 427	-49 38 28.34		+0.0025 +0.000		2	7.07	2	7.70	2	GSIII	1	61029	1	
1912	#6 C:√C	08 42 17.621	+30 52 49.01		-0.0001 -0.000		2	6.33	2	6.43	2	A3N		117088		
1913	10 HYA	08 42 22.440	+05 51 46.78	1	-0.0002 -0.00		2	4.94	2		2	5GG5	1	220371	D D	
1914	-D VEL	08 42 36.707	-42 28 02.22	- 1	-0.0017 +0.01		2	5.37	2		2	B91V		256543		
1915	ETA CHA	08 43 04.655	-78 46 57.76		-0.0078 +0.02		4	9.24	17	3,02	-	G5	4	220388	V	
1916	SX VEL		-46 09 37-12		+0.0008 -0.00		1	2.000	1 ' 1	2,070	1	AOV		236232	n	
1917	DEL VEL		-54 31 28.26		-0.0024 -0.00		4		1	2.510	-	1	l	176430	V:	
1916	R PYX	08 43 23.798	-28 01 04 14	-	-0.0013 -0.04			7.572	2	8.352	2	A3V		80415	כעו	
1919	48 IOT- 18 CNC	08 43 38 685	+28 56 57.95		-0.0018 -0.04			5.162	1	5.942		GRII		90416	D	
1920	46 IOT- 1A CNC	08 43 40-514	+28 56 39 19	1			16	30.132	-	"		M5	6	117103	V .	
1921	EY HYA		+01 48 57 • 23		+0.0021 -0.01		6	1	ľ		ŀ	MB	۱ آ	6653	V	
1922	RS CAM		+79 08 50 53		+0.0007 -0.01		2	5.22	2	5.86	2	GSTII	ľ	154622	סו	
1923	12 D HYA		-13 21 49.74					4.060		4.430		GOIII+DF7		117112	n	
1924	11 EPS HYA		+06 36 12-41		-0.0128 -0.05		1	5.740		7,750	-	AIV		98117	1 "	
1925	50 A- 2 CNC		+12 17 40 89		-0.0007 -0.00		1	3.910		3.860	1	ADITI		220422		
1926	-A VEL		-45 51 28.35		-0.0093 +0.03		2	6.28	2	6.36	ءَ	A5	7	256549	V	
1927	RS CHA		-78 53 15 10		+0.0001 +0.00			4.240	1	3.520	1	B2VNE		236268	V2	
1928	-F CAR		-56 35 06 99		-0.0013 -0.03		2	4.32	2		2	AOV	1	117146	ם	
1929	13 RHO HYA		+06 01 25 07		+0.0003 -0.01		6	1	1	7.0	-	В9	6	176505	v	
1930	TT PYX		-25 58 39.07		-0.0016 -0.02		2	5.21	2	4.86	2	AP		136308		
1931	14 HYA		-03 15 22 83		-0.0013 -0.01		2	5.55	2	1,00	-	AZ	1	220531	1	
1932	-H VEL		-40 07 59.83				1-	3.33	-		Ī	A2		220540		
1933	-G VEL		-45 07 15 27		+0.0003 +0.01		2	7.02	2		ľ	nG2		98168		
1934	54 CNC		+15 32 14.51		-0.0079 +0.07		4	1.02	12			G5	4	98169	1	
1935	52 CNC		+16 11 13.67		-0.0021 +0.01		2	5.27	2	6.67	2	K4111	,	176559		
1936	GAM PYX		-27 31 24.55		-0.0100 +0.08		١٤	1 3.2	15	0.07	15	KOIII	1	42576		
1937	35 LYN		+43 54 51 • 14		-0.0013 +0.04		2	4.89	2	3.91	2	BOILI		220561	0	
1938	-F VEL	08 48 51.592	-46 20 28.98	1	-0.0006 -0.00		2	5.69	2	5.83	2	AM		136345	DV?	
1939	15 HYA		-06 59 19.51		-0.0033 -0.00		٦	3.67	٦	3.00	-	Fo	1	14691		
1940	5 -B UMA		+62 09 04+39		-0.0013 +0.02			7.73	7		1	GM3	1	A0476	l v	
1941	53 BO CNC		+28 26 53 64		-0.0012 -0.00		1	1.75	1'		1	AM	1	61102	l o	
1942	51 SIG- 1 CNC		+32 39 46.52		-0.0002 +0.01		2					Â2	6	117211	Ιັν	
1943	TU CNC		+09 16 39+21		+0.0006 -0.01		6	6.780				DKO	1 "	80478	D	
1944	55 RHO- 1 CNC		+28 31 23.16		-0.0366 -0.23		1	0.100	Ί.		1	B9	6	176601	ľν	
1945	RZ PYX		-27 17 41.72		-0.0008 -0.01		6 4		1 4		1	M3E	1 4	117236	ľ	
1946	S HYA		+03 15 30 • 38		-0.0007 +0.01		4		1		1	GG7	"	61125	0	
1947	57 IOT- 2 CNC	08 51 11.894	+30 46 12.40		+0.0030 -0.02		1_	1	1		1	K2	6	199750	ľv	
1948	V PYX	08 51 25.693	-34 37 44.43	1	-0.0025 -0.02		7	1 .			[1 0	14703	1	
1949	6 UMA		+64 47 49.80		-0.0040 -0.08		1_	10 00	15	1	1	GG3 C5-4		98230	l v	
1950	X CNC	1 08 52 34.038	+17 25 22.13	١,	+0.0001 +0.00	6 • 64	14	10.00	2	1	1	1 00 7	1	75250	1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

	CT-D I	RT. ASCEN.	DESIGNATIONS AND DECLINATION F	,	RA	DEC	VISUAL	_		В		U	SPECTRAL	S	SAO	STAR	G
NUMBER	STAR DESIGNATION	HR MN SEC	D=4=2	N	PM	PM	MAG.	N	MAG.	Ν		N	CLASS	N	CAT.NO.	PROP.	N
1951	58 RHO- 2 CNC		+28 07 10.72		-0.0009		5.15				# COO	,	G8II-III KOII-III		я0511 117264		
1952	16 ZET HYA	08 52 45.092	+06 08 13.25		-0.0068		3.100		4.100		4.920	2	A3		136408	ח	
1953	17 B HYA	08 53 02.474	-07 46 40.43		-0.0004		6.08	2	6.30	2	6.43	-	AM		136409	מ	ł
1954	17 A HYA		-07 46 44.04		-0.0002		6.67						GK5		98235	٧?	
1955	60 CNC		+11 49 06.01		-0.0007		5.56	4					M3E	4	136414	v	
1956	Т НҮА		-08 56 58 07		-0.0015		7.3 4.89	2	4.99	2	5.12	2	A3V]	176697	l p	ı
1957	DEL PYX	08 53 22.783			+0.0057		8.0	4	4.97	ا أ	3.12	٦ ا	N3	4	80524	v	ŀ
1956	T CNC		+20 02 29.76		-0.0038		5.39	-		1			A3		61146	1	1
1959	59 SIG- 2 CNC		+33 06 14.89 -60 27 11.05		-0.0032		3.840	١,	3.740	,	3.290	1	BBII		250374	ס	
1960	-C CAR	08 53 54.921	+15 30 56.32		+0.0039		5.07	1		1	1	-	A3		98247		
1961	62 OMI = 1 CNC 63 OMI = 2 CNC		+15 46 28.55		+0.0040		5.64					l	A5		98250	1	ł
1902			-52 31 50 25		-0.0003		4.690	1	4.565	1	4.095	1	B5V		236417	D	1
1963			+30 25 37.71		+0.0043		6.13	_				1	DF3		61157	ס	1
1964 1965	61 CNC RT CNC		+11 02 23.22		-0.0004		8.2	6				l	MA,	6	98266	V	
1966	-B- 1A CAR		-59 02 08 48		-0.0019		4.909	1	4.739	1	4.089		BSIV		236436	D	2
1967	65 ALP CNC		+12 03 09.07		+0.0024	-0.034	4 • 26	2	4.39	2	4.54	2	A M	1	98267	D.	1
1968	9 IOT UMA		+48 14 22.05		-0.0443	-0.235	3.140	1	3.330		3.400		A7V		42630	D	١,
1969	-8- 18 CAR		-59 01 57.65		-0.0006	+0.015	7.349	1	7.179	1	6.529	1	88	4	236440	D	3
1970	64 516- 3 CNC		+32 36 50 89		-0.0036		5.46		<u> </u>	١.		1	GG9		61177	DV	1
1971	FZ VEL	UB 57 10.346	-47 02 24.93		-0.0090		5.18	2	5.43	2	l	l	FOIII	1	220717 42642	0	15
1972	10 UMA		+41 58 55.79		-0.0394		3.970		4.400	1	4.460	1	F5V	6	176805	1 'v	1
1973	TY PYX		-27 37 10.52		-0.0045		6.8	6		_		١,	G0 GM3	"	14742	1	
1974	8 RHO UMA		+67 49 35 • 21		-0.0036		4.76	2	6.29	2	8.17	2	DF4		236475	D	1
1975	-B- 2 CAR		-58 53 30 25		-0.0227		5.16	2	5.10	2	5.48	2	FBIII		220730	V?	4
1976	-W VEL		-41 03 29.79		-0.0038		4.45	1	6.760		3,40	1	A3V		61202	D T	-
1977	66 CNC		+32 26 56 52		-0.0003	100	6.76		0.700		l .	1	A5	ľ	A0585		ŀ
1978	67 CNC		+28 06 03-23		-0.0042		5.96	4		1			89	4	98302	1	ŀ
1979	68 CNC		+17 16 42.26		-0.0018		7.11	14				1	B3	4	236495	V	1
1980	CV VEL		-51 21 31.73			1	5.46	2	5.43	2	5.33	2	AP		80595		
1981	69 NU CNC		+24 39 03.46	Ι.		-0.056	3.600		3.600	4	3.700		AO	1	42661	D	1
1982	12 KAP UMA		+47 21 20.78	-	-0.0054		9.0	6	3.000	1	3	1		1	61222	V	1
1983	UV LYN		+38 17 47.83			-0.024	6.70	4	8.17	17			MGIII	7	61226	V .	- [
1984	UX LYN		+38 56 28 00 -52 38 36 08	l		-0.011	9.5	17		1			B9	6	236527	٧	
1985	CW VEL TZ CNC		+21 08 51.85			-0.006	9.1	6		1	1		MO	6	80608	٧	1
1986 1987	70 CNC		+28 05 50 69			-0.005	6.31	1	6.310	1			AOV	1	80609		-
	TT UMA		+60 29 12 04			-0.008	9.0	6		1				ļ	14755	٧	.
1986 1989	ALP VOL		-66 11 46 16			-0.102	4.005		4.155	1	4.295	1	A5V	1	250422	1	1
1990	-C VEL		-46 53 52.51	ľ		-0.016	3.750		4.950	1	6.160	1	K2III		220803	1	1.
1991	71 CNC		+17 35 27-11			-0.007	7.95	4	1			1	A2	4	98358	1	1
1992	RX HYA		-08 03 35.87		-0.0005	-0.019	9.0	6			1		A2	6	136572	V	
1993	18 OME HYA		+05 17 35.72			-0.010		2	6.19	2	7.40	2	K2II-III	1	117420	1	1
1994	11 SIG- 1 UMA		+67 04 33.26	1		-0.041	5.17	1				1_	KSIII		14769	1	1
1995	ZET OCT		-85 27 58 13	1	-0.0952	+0.033	5.42	2	5.73	2	5.80	2	FOIII	1	258515	1	
1996	72 TAU CNC		+29 51 23.34	1		-0.004	5.26	1	1	L	1		GSIII		80650	1	-
1997	G CAR		-72 24 05.11	1		-0.009	4.48	2	5.09	2	5.31	2	F611-111	1	256582	l v	1
1998	76 KAP CNC	09 05 02.414	+10 52 14-13			-0.012	5.24		5.130			1.	A P		256583	V 2	1
1999	E CAR	09 05 14.516	-70 20 13.97	1		-0.009	4.700		4.550				B2VE	1	27136	1 **	1
2000	15 -F UMA		+51 48 28 27	1	-0.0147	-0.039	4.48	2	4.75	2	4.87	2	A M	1	2,130		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

		STAR	DESIGNATIONS AND	STAR DA	A ORDER			7,502		014 (12)						
	STAR	RT. ASCEN.	DECLINATION P	RA	DEC	1.2-07	٧	BLUE	В	0.	U	SPECTRAL	S	SAD CAT.110.	STAR PROP.	G
NUMBER	DESIGNATION	HR MN SEC	DEG MN SEC N	РМ	РМ	MAG.	N	MAG.	N	MAG.	N	CLASS	11	CA1.00	PAUP.	<u> </u>
			00 -0 40 17	-0.0093	-0,373	5.79						DG3		90659		ĺ
2001	75 CNC		+26 50 14 13		1		2	6.17	2	8.04	2	GM0	. '	177002	יאם ו	1
2002	KAP PYX	ug 05 51.103	-25 39 20.58	+0.0028			2	5.30	2	5.32	2	F7TV-V		14788	י פעם	1
2003	13 516- 2 UMA	09 06 01.131	+67 20 21.67 C	-0.0034		1 - 1	i	3.860		5.670		KSTB		220878	עמ	1
2004	LAM VEL	09 06 09.310	-43 13 47 • 60	-0.0020			4	3.000		5.010	-	KO	-4	98389		1
2005	78 CNC		+17 40 24 18	-0.0031			2	5.54	2	5.35	2	BB		136604	ח	1
2006	19 HYA	09 06 15.297		-0.0018 -0.0055			6	J. J.	-	3.03		G5	6	27143	V	
2007	XY UMA	09 06 18.433	+54 41 40 0C			5.09	٠,	. '			1	KOIII		80666		
2008	77 X1 CNC		+22 14 55.95	+0.0002			6	8.56	7		1	G5	6	236640	V	1
2009	BG VEL	09 06 39.122	-51 13 59 96	-0.0008			6	0.00				-	1	1470	11	
2010	AZ CAM	09 06 42.892	+82 08 51.35	-0.0035		1	2	5.02	2	5,17	2	AM		14796	n	
2011	14 TAU UMA	u9 06 49.121	+63 43 07 21	+0.0149			2	6.47	2	7.25	2	GG6		136622		
2012	20 HYA	09 07 08.810	-08 35 01.37	-0.0016	1 -	5.94	-	0.47	1	1.23	[GG5	1	80674	1	
2013	79 CNC	09 07 28.692	+22 12 02 42	+0.0004		5.3		1.0	1	1	1	M6SF		61306	V	1
2014	RS CNC	U9 07 37.720	+31 10 05 • 01	-0.0016	-0.030	5.633	2	5.823	2	,	1	AM	1.	200047	D	131
2015	EPS- 1 PYX	09 07 49.166	-30 09 37 21	-0.0002	-0.059	9.110		9.300				A3		200049	D	13
2016	EPS+ 2 PYX	09 07 49.898	-30 09 52.57		-0.017		6	3.300	1-			Gn	6	154972	.V	1
2017	TU PYX	09 07 58.341	-19 42 34.85				4		1		1	AD	4	98425		1
2018	RO CHC	09 09 08.541	+18 15 00 42		-0.024		ž	7.24	2		1	DG7	l .	98427	n.	1
2019	B1 CNC	09 09 33.509	+15 11 55 13		+0.242	3.440		3.250		2.560	11	B2IV	1	236693	V?	1
2020	-A CAR	09 09 39 029	-58 45 41.72		+0.006		ŝ	6.33	2		2	A2	i	136662	1	
2021	21 HYA	09 09 57.872	-06 54 13.73		+0.006	3.970		3.785		3.120		BSIV	1	250471	1	
2022	-I CAR	09 10 08 631	-62 06 40 95		-0.034	5.17	•	0.,00	1	0.25	1	DF9	i .	14819	j	1
2023	16 -C UMA	09 10 24 631	+61 37 51 • 21			5.19		5.050	1		1	Ai		42759		1.
2024	36 LYN	09 10 32.470	+43 25 30 92		+0.015		7	3.000			1	MB	6	220949	V	
2025	SY VEL	09 10 34 847	-43 34 15 85		-0.007		6		1		1	AO	6	220955	V	i i
2026	GG VEL	09 10 58.303			-0.313	3.880		3.810	11	3.690	1	89.5VP		117527	UA3	1
2027	22 THE HYA	09 11 45.818	+02 31 34 63		-0.035	5.31	ļ ~	- • • •				KSIII	1	27185	1 .	1
2028	17 UMA	09 12 08 4/3	+56 57 00 55		-0.013	5.43			1		1	GK1	1	98456	1	
2029	82 PI CNC		+15 09 00 14		+0.008		2	5.11	2	4.55	2	B5VN	1	220978	D	1
2030	-Z- 1 VEL	09 12 32.407	43 01 10.42		+0.058		2	5.02	2	5.11	12	A5V		27191	1	1
2031	18 -E UMA	09 12 36.226	+54 13 47 18		+0.102			1.680		1.710		AIIV	1	250495	1	
2032	BET CAR		-69 30 39.63 -37 23 37.51		-0.016	5.86	2	6.69	2			GO	1 .	200152	1	1
2033	-K- 1 VEL	09 12 57 381	-38 21 38 67		-0.011	4.94	2	6.05	2	7.11	2	GKO		200159	1	1
2034	-L VEL	1 00 13 00 003	3 -37 12 14.18		-0.013		2	5.07	2	5.17	2	F5III	1	200163	Ü	1
2035	-K- 2 VEL	09 10 44.903	7 -06 08 36.69		+0.002		2	6.41	2	7.63	2	KZIII	1	136725	D.	1
2036	23 HYA	09 14 12-717	-08 32 06.30		-0.001		2	5.38	2	5.08	2	B9		136728	1	1
2037	24 HYA	09 14 14.330	-57 19 53.02		-0.009		2	5.97	2	7.95	2	GK5		236787	Λ.5	1
2038	-G CAR	09 14 47.400	3 -11 45 03.66		-0.046		4	1	1			Ko	4	155064		
2039	25 HyA	09 15 04 730	3 +37 00 55.56		-0.127	3.820		3.880	1	3.930	1	A3V		61391	D	
2040	38 LYN	09 15 44 343	5 -59 03 53 69		+0.005	2.250		2.430		2.590		FOI		236808	V?	1
2041	IOT CAR	109 15 45.10	117 55 06 30		5 -0.134		4	1	1	1	1	F5	4	98488		-[
2042	83 CNC	00 10 11.226	3 +17 55 06·30 7 -50 50 23·77		+0.006		2	5.18	2		1	B9		236824		1
2043	K VEL	109 10 23.90	7 .50 50 23411		3 -0.020	7.46	4	1	. [1	KO	4	27213		1
2044	20 UMA	109 16 40 91	7 +59 59 35.56		+0.146	6.05	Ι.		1		1	DF3		27215	D	9
2045	37 LYN		8 +51 28 35 39		+0.005		2	5.74	2	6.35	2	GSIII		155096	D	1
2046	26 HYA				1 +0.013	3.130				6.630		MOIII	1	61414	٧?	
2047	40 ALP LYN		5 +34 36 18.56		3 -0.034	4.79	2		2	6.40	2	GBIII-IV		136768	D	
2048	27 P HYA		2 -09 20 33,63		-0.011	5.77	ľ	7.35	17	1		M4IIIA	7	27219	V	
2049	CG UMA	09 18 03.920	6 +56 54 44.96		-0.003	6.86	4		-		i	B9	4	42825	D	9
2050	39 LYN	09 19 08-23	0 +49 45 31.88	-0.002	, -0.005	0.00	1	1	1		- 1		L	1		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY FIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F) V	RA DEC PM PM	VISUAL MAG.	2 2	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	1
2051	THE PYX	09 19 16.677	-25 45 06.29	╗	-0.0009 -0.01	4.72	2	6,33	2	8.36	2	MIIII		177322		
2052	-K CAR		-62 11 27.88		+0.0010 -0.008		2	5.75	l a	6.37	2	GG7		250544	l ·	
2053	WY VEL		-52 21 00.92	- 1	-0.0006 -0.014	8.8	7		t		ł	: MA	6	236888	V	1
2054	KAP VEL		-54 47 47.30	- 1	-0.0009 +0.008			2.320	lι	1.570	1	B2IV		236891	1	1
2055	VEL		-55 44 47.01	- 1	+0.0010 -0.02		4	8.00	7			G5	4	236893	V	ł
2056	LAM PYX		-28 37 09.04		-0.0106 +0.016		2		2	6.22	2	GG7		177374	1	1
2057	1 KAP LEO		+26 23 55.31	ı	-0.0024 -0.050		2	5.69	2		2	KZIII	1	80807	D	ł
2058	21 UMA		+54 13 56.75		-0.0031 -0.02		4.					A2	4	27249	ח	1
2059	IL HYA		-23 36 35.31		-0.0040 -0.044		6	8.70	7	9.34	7	K2IV	1 7	177412	ν	1
2060	28 HYA		-04 54 03.23		-0.0011 -0.015		2	7.11	2	8.93	2	KSIII		136832	i .	1
2061	GI VEL		-45 09 35 20		-0.0017 -0.019		6	9.76	7			MB	6	221144	V	ı
2062	GK VEL		-43 45 38.61		-0.0026 +0.030		4	8.02	7	9.65	7	MSIII	7	221146	V	1
2063	AR HYA		-23 32 46.35		+0.0016 +0.01		6		١			M4	6	177438	V	
2064	Ü VEL		-53 09 41.95		-0.0011 -0.00		2	5.00	2		1	B5N		236972		1
2065	29 HYA		-09 00 20.86		-0.0023 -0.00		2	6.59	2	6.61	2	AO		136861	n.	ł
2066	G HYA		-22 07 24.74	i	+0.0127 -0.16		2	5.81	2	5.98	2	GK3	1	177469]	1
2067	GL VEL		-53 17 49.95		-0.0015 +0.00		6					MB	6	236993	. v	ı
2068	30 ALP HYA		-08 26 27.47		-0.0012 +0.028			3.420	1	5.140	1	K4III		136871	V?	ı
2069	41 LYN		+45 49 18.84		-0.0010 -0.12		ļ		1		l	GG5	- [42876	1	ı
2070	RS LMI		+36 22 44.93	- 1	+0.0008 +0.016		6	İ	1		ĺ	МВ	6	61508	V	
2071	-N CAR		-64 42 45.04		-0.0084 +0.059		2	6.20	2	6.30	2	A3	_	250583	1	1
2072	IW CAR		-63 24 43.29	-	-0.0009 -0.00		7					1	1	250584	. V	1
2073	2 OME LEO		+09 16 32.01	1	+0.0036 -0.00		2	6.01	2	6.15	2	DF8		117717	0	1
2074	3 LEO		+08 24 26 61	l	-0.0022 -0.030	5.71	2	6.75	2	7.65	2	GKO	1	117718	D	ı
2075	IOT CHA		-80 34 17.84	. 1	-0.0593 +0.120		2	5.81	2	5.85	2	GF2		258530		ı
2076	31 TAU- 1 HYA		-02 32 58 04	1	+0.0084 -0.014		2	5.06	2		2	F6V	1	136895	ח	1
2077	EPS ANT		-35 43 54.93	1	-0.0020 -0.00		2		2		2	K4III		200416	1	ļ
2078	23 -H UMA		+63 16 55 10		+0.0161 +0.020	3.670	1	4.000	1	4.100	1	FOIV		14908	DV3	1
2079	7 LMI		+33 52 35.92		-0.0014 -0.04		1.		1		1	GGB	1	61529		1
2080	8 LMI		+35 19 31 - 32		-0.0046 -0.10		1		l .			GM1		61540	1	1
2081	ZET- 18 ANT		-31 40 13.06	1.	-0.0013 -0.02		1				1	AO		200444	D	1
2082	ZET- 1A ANT		-31 40 05.92		+0.0019 -0.03		1				1	A0	1	200445	מ	1
2083	PSI VEL		-40 14 49.28	С	-0.0165 +0.06		1	3.960	1	3.890	1	F2IV	1 .	221234	DV3	1
2084	4 LAM LEO		+23 11 22 21		-0.0018 -0.04	4.31	2	5.85	2	7.74	2	K5III	1	80885	V?	1
2085	5 XI LEO	09 29 15.137	+11 31 20.05		-0.0063 -0.08	5.68	1		1		1	KOIII	1	98627	V?	1
2086	6 -H LEO	09 29 16.852	+09 56 14 06		-0.0003 -0.01	5.12	1	1	1		1	KSIII	1	117751	D	1
2087	ZET- 2 ANT		-31 39 02.14		-0.0034 -0.00		2	6.19 4.67	2		1	FOM	1	200459		
2088	32 TAU- 2 HYA	09 29 25.987	-00 57 47.98		-0.0010 -0.01	4 • 57	2	4.67	2		2	TIIEA	1	136932		ı
2089	25 THE UMA	09 29 31.489	+51 54 23 18		-0-1029 -0-54	3.180	1	3.640	1	3.670	1	F6IV		27289	יי נו	1
2090	N VEL	09 29 42.071	-56 48 47.60		-0.0042 -0.00	3.140	1	4.690	1	6.570		KSIII		237067	V	
2091	24 -D UMA	09 30 05.838	+70 03 06 47		-0.0124 +0.07	4 • 57	2	5.34		5.67	2	GZIV		6897		1
2092	S ANT	09 30 06.988	-28 24 24 28		-0.0057 +0.03	6.4	1.	6.730	7	1	1	F0	1	177619	V	
2093	22 UMA	09 30 13.314	+72 25 45 64		+0.0168 -0.07	5.72	1				1	DF6		6898		1
2094	9 LMI		+36 42 34 80		+0.0025 -0.03						1.	GK4		61561		
2095	R CAR	09 30 59.210	-62 34 01.09	7	-0.0049 +0.01	6.000		7.350		7.950		GM5E	1	250614	Dν	1
2096	10 LMI	09 31 09.969	+36 37 14.38		+0+0005 -0+02		2	5.47	2	6.10	2	GBIII	1	61570		1
2097	H CAR		-72 51 32.55		-0-0043 -0-00		2	7.03	2	8.77	2	K2	1	256634	1 1	1
2098	S VEL		-44 59 10.84		-0.0041 +0.01	7.8	4				1	A0	4	221279	V	1
2099	U VEL		-45 17 33.97		-0.0021 -0.01	8.1	4			1	1	MB	4	221280	V	1
2100	26 UMA		+52 16 30 - 21		-0.0072 -0.03	4.51	2	4.51	2	4.55	2	A2V	1	27298		1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P		DEC PM	VISUAL MAG.	V N		B N		U N	SPECTRAL CLASS	5	SAN CAT-NO.	STAR PROP.	6
		09 31 46.781	-36 23 34.78	-0.0009	-0.025	9.28	7	9.770	7			G 5	6	200500	ν	
2101	T ANT	19 31 40.701	-05 41 26.92	+0.0002		5.56	2	6.72	2	7.85	2	GK1	1	136964		
2102	33 A HYA	09 32 02.913	-51 01 56.19		-0.017	5.01	2	4.82	2		1	B3	1	237107	1	1
2103	L VEL	09 32 24.600	76 62 11 72		-0.248	5.41	2	6.18	2	6.62	2	G8IV-V	1	61586	ח	1
2104	11 LMI	09 32 39.993	+36 02 14 • 72		+0.012	4.085		4.090		3,535		BSII		237117	ļ	1
2105	-H CAR	09 32 59 588	-59 00 21.72	-0.0066		8.0	4		_			M7E	11	155319	V	1
2106	X HYA	09 33 06,923	-14 28 03 52			6.18		6.220				A1V		98662	D i	
2107	7 LEO	09 33 09.069	+14 36 13.46	-0.0026		9.4	7	0.2.0				MC	6	200536	V	ľ
2106	RR ANT	09 33 36 178	-39 40 45 61		-0.012	10.09	7					Α	16	R0927	V	1.
2109	Y LEO	09 33 58.564	+26 27 26.73	+0.0015			۱′-					GK1		98673	1	
2110	B LEO	09 34 17 202	+16 39 46 • 66		-0.008	5.72	1_		ا يا		2	K1III	ł	117807	V?	
2111	10 LEO	69 34 34.351	+07 03 39.18	-0.004		5.00	2	6.05	2	6.92	-	BB	6	237142	l v	
2112	GW CAR	09 34 57 419	-59 45 39 56		+0.024	9.8	7		1	1		F8	4	80935	1	1
2113	y L _L O	09 34 58.426	+24 53 45 43		0.021	6.60	4		٦		۱,	DA5	1 7	221344	n '	1
2114	M VEL	ng 35 02.133	-49 ₀ 7 49•16		1+0.025	4 • 35	2	4.52	2	4,64	2			42958	1	1
2115	42 LYN	09 35 14.861	+40 27 55 05	-0.001	+0.002	5.18	1					A6N	4	98683	1	1
2116	11 LEO	09 35 17.680	+14 34 26 81	-0.004	3 -0.089	6.60	4	1			١_	F2	4	137011		1
	34 HYA	09 35 24.347	-09 11 56 02	-0.004	5 -0.003	6.40	2	6.36	2	6,27	2	AO		258538	ì	1
2117	ZET CHA	09 35 25.737	-80 43 01.90	-0.016	3 +0.007	5.11	2	4.97	2	4.40	2	BSIV	1	117821		1
2118	2 SEX	09 35 50 850	+04 52 33 60	-0.010	0.057	4 • 68	5	6.00	2	7.45	2	KSIII	1			-
2119	-Y VEL	09 36 04-084	-42 57 52 13	+0.002	2 -0.035	5.50	2	6.50	12		2	GG6	1	221355 137035	V?	
2120	35 IOT HYA	09 37 18 152	-00 54 53 79	+0.003	1 -0.069	3.910	1	5.230		6.680		KZIII	1		V -	1
2121		09 37 20 840	-10 20 35.66	-0.002	1+0.000	6.31	2	6.28	2		2	B9	1	155377	1	-
2122		09 37 54 469	-14 06 16 63	-0.002	2 -0.024	5.05	2		2		2	B5V	- 1	155388	1	ı
2123			-61 06 04-10		+0.018	4.515	1	4.445	1	4.255	1	B9V	1	250653	1.	
2124		09 37 37 693	+72 28 53 18		5 -0.031	5.20		1	1		1	KOIII	1 :	6936	۱_	-
2125	27 UMA	09 30 23 072	+10 07 14.64		7 -0.041	3.520	1	4.010	1	4.220	1	A2+F6II		98709	י ה	
2126	14 OMI LEO		+26 p8 29 20		0-0-037	6.28	1					GK2		A0970		
2127	13 LEO		+39 59 12.85		7 -0.043	5.36	1			1	İ	GSIII		61636		
2128	43 LYN	09 38 54.00	7 - 27 01 49 43		3 -0.008	4.7B	2	4.66	12	4.08	12	B2PE		177840	Û.	- 1
2129	I HYA		7 -23 21 48 43		4 -0.052	5.95	1		-		1	DF1	-	61648	1	-1
2130	13 LMI	09 39 42.26	1 +35 19 22.71		5 +0.015	9.1	6					MB	6	137070	V	- 1
2131	R SEX	09 40 14.06	-07 52 14-91			7.9	6	1	1		1	GO	6	27364	V	Į
2132	₩ UMA	09 40 15.40	5 +56 10 56 26		0 -0.029	5.60	١٣	5.720	1	1		A3V		61656	1	
2133	15 -F LEO	09 40 37.66	7 +30 12 19 19		4 -0-105	9.4	6		1	1	١.	M5	6	27367	V	ı
2134	YY UMA	09 40 42.43	7 +53 59 47 37		3 -0.004		10	1	1	1	1	GM2	1	98733	1	- 1
2135	16 P5I LEO		7 +14 15 05.06		2 -0.007	5.41	١,	1 - 00	12	- 45	2	F7	.	177908	0	- 1
2136	THE ANT	09 41 58 24	7 -27 32 23.32		7 +0.030	4.79	2		2	5.65	16	AOV	-	237268	- "	- 1
2137	O VEL		0 -53 39 42.38		9 +0.020	5.56	2	5.52	2		1	A7N		14980	0	١
2138	28 UMA		9 +63 53 04•72		9 -0.046	6.42	١.		1				4	61669	V	- 1
2139	R LMI	09 42 34.69	1 +34 44 34.30		2 +0.009	6.3	14		1.		١.	M7E	"	81004		- 1
2140	17 EPS LEO	09 43 00.99	6 +24 00 19.62		3 -0.015	2.980			1	4.250	12	GOII	4	43030		- 1
2141	14 LMI	09 43 31.10	6 +45 20 51.61	+0.005	2 -0 - 134	6.80	4					KO	1 4	98755	ļ.	- 1
2142	18 LEO		2 +12 02 28.52		2 +0.011	5.60				1	1.	GK4	1	250683	Ιv	
2143	-L CAR		4 -62 16 36.42		3 +0.003	3,400		4.600		5.600	11	CG2			"	- 1
		- 1	7 +11-48 01-42	-0.003	7 +0.001	6.45	2		2		1	A3N	1	98767	1	ı
2144	19 LEO		0 +11 39 41.87		1 -0.046	5.0	1.		1		1	GMBE		98769	V	- 1
2145	■ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3 +46 15 18.13		6 -0.095	5.10	2	5.72	2	5.80	2	G1V		43046		١
2146	15 LMI		2 -07 00 45.84		0 -0.017	7.11	4			1		B9	4	137142	1	
2147	3 SEX		0 -64 c0 33-30		5 +0 007	3.034	1 1	3.304	1	3.434	1	A9II	- 1	250695	ם ו	١
2148	UPS- 1 CAR		8 -64 50 22 20	4	3 +0.019	5.91				6.314		F0		250696	ים ן	- 1
2149	UPS- 2 CAR		5 -64 50 24.79			5.45	2		` 2		2	KO	- 1	256658	1	
2150	NU CHA	1 09 46 21.20	6 -76 32 34.41	[+0.025	7 -0.051		ء ا	U - 3-	15	100,4	1-	1	1	1	1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION		DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N		B N		U N	SPECTRAL CLASS	5 11	SAN CAT.NO.	PROP.	L
		ug 47 02.362	+21 24 48.09	-0.0032	-0.016	5.92						A85		81035	n,	1.
2151		09 47 09.987	439 51 55.87	-0.0001		6.76	4	5 - 5 p. 6 - 60 -				K5	4	61707		1
2152	16 LMI	09 47 19.670	-38 06 56 79	-0.0017			6					F2	6	200776	W	Ł
2153	XX ANT	09 47 27.102	+59 16 30 31		-0.156	3.810	1	4.100	1	4.190	1	F2IV	1	27401	υν	Ţ
154ع	29 UPS UMA	09 47 54.005	+04 34 42.65		-0.059		2	6.72	2	6.70	2	DF6		117937	l _	ı
2155	u Sex	09 48 00 448		-0.0030		5.08	2	4.98	2			B7		221523	D .	ŀ
2156	-U VEL 21 LEO	09 48 07.934	+12 04 35.92		-0.010	6.66	4				li	A0	4	98806	1	ı
2157		09 48 19.771	+13 18 03.11	+0.0019		6.55				.*		GM0		98809		ŀ
2158			-04 00 29.52		-0.032	6.01	2	6.18	2		2	ASIII		137183	١,	١
2159	6 SEX 30 PHI UMA		+54 17 56 59 L		+0.017	4.60	2	4.63	2	4.71	2	A3S		27408	J.	1
2167					-0.004	6.5	4		[NP	.4	178088	A.	١
2161			+24 37 58 22		-0.183	5.25	ļ	5.480				A5V	1	81054]	1
2162	22 -G LEO 39 UPS- 1 HYA	09 49 04.309			-0.031	4 - 11	2	5.03	2 .	5,68	2	GBIII	1	155542		١
2163		00 40 16 360	+27 08 29 60		-0.005	9.9	7				1	MO	6	81057	V	1
2164	Z LEO		+38 09 00 23		-0.022	6.74	4				l	FO	. 4	61725		١
2165	17 LMI		+02 41 17.35		+0.088	6.02	2	5.98	2	5.89	2	A1V	1	117959		ı
2166	7 SEX	00 49 44 638	-46 18 45.25		-0.003	4 • 58	2	5.78	2	6.77	2	GG4	1	221553		1
2167	-M VEL		+26 14 36 08		-0.060	3.880		5.100	1	6.500		K2III	1	81064	l _	ı
2168	24 MU LEO	00 50 01 978	-07 52 07.35		-0.045	5.05	2	5.09	2	5.15	2 ,	A2		137109	יס	
2169	B GAM SEX	09 50 01 010	+05 10 54.66		+0.012	6.98	4		ļ		1	K5	4	117980	l	
2170	9 SEX	09 51 27.521	+05 26 05.94		-0.038	9.0	6		•		1	M2	6	117987	V	1
2171	KR SEX	09 52 10.020	+50 03 25.05		+0.020	5.27			1	1.1	1	A2	1	27430	V	
2172	31 SY UNA	09 52 21 109	-58 11 01.77		+0.010	6.72	4	6.55	7		l	B5V	7	237480	V	
2173	QX CAR	00 57 23 128	-41 20 59.23		-0.035	9.5	4		1	1 .	1	NB	4	221606	V V	
2174	X VEL		+32 37 20.08		+0.010	6.60	4		1		1	F2	4	61771	1	
21/5	18 LMI	09 53 33.050	+41 17 40.83		-0.029	5.14	ļ 2	5.60	2	5,60	2	F5V		43115		i
2176	19 LMI	09 54 57.700	-54 19 44.85		+0.005	3.540	1	3.460	1	2.830	1	B511	1	237522	D	1
2177	PHI VEL		+18 31 49.02		+0.007	9.4	6		1		1		1	98873	٧	
2178	AL LEO		+15 27 38.33		7 -0.019	7.6	4		1		İ	G5	L	98874	1	
2179	26 LEO		+12 41 02.93		7 -0.020	5.17	1	5.130				B9•5V	1	98876	1	
2180	27 NU LEO				+0.013	8.1	4		1		1	M6	4		V	
2181	RR CAR	09 56 27.374	-58 37 18.96		1-0.024	5.23	lz	5.53	12			FOV	1	200926	י ח	
2182	ETA ANT		-35 39 03 66		+0.017	6.70	2	6.97	2	7.06	12	A5		118041	V?	
2183	12 SEX		+03 37 28-41		-0.008	9.0	6		1		1			98890	V	
2184	AC LEO		+17 42 00 78		2 -0.026		Ž	6.30	2	8.22	2	M2III	- 1	118044	1	
2185	29 PI LEO		+08 17 05.76 +32 10 13.65		-0.433	5.35	2	6.01	2	6.29	2	G4V		61808	1	
2160	20 LMI				-0.016	9.27	4	1			1	MB	6	200972	l v	
2187	YY ANT		-37 51 00 - 31		2 -0.101	6.45	2	6.85	2	6.83	2	DF3	1	118086	1	
2188	13 SEX	1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	+03 26 42.73		+0.032	5.53	12	5.56	2	5.61	2	AO		258554	1	
2189	MU CHA	10 05 08 121	-81 58 22.94		9 +0.010	4.59	2	4.49	2	4,22	2	Bav	- 1	155713	V?	
2190	40 UPS- 2 HYA		-12 49 17.50		5 -0.011	8.2	6		1	''		M3 ·	6	178386	V	
2191	AYH WH	1	-21 06 41.97		4 -0.020	6.21	ĺž	7.15	2	7.87	12	GG6		118111		
2192	14 SEX		+05 51 21.72		6 +0.013	6.76	1				1	GG9		237690	V	
2193	R V _E L		-51 56 38.00		1 +0.001	4.49	2	4.67	12	4.74	2	A7V		61874	٧?	
2194	21 LMI		+35 29 21 43		1 -0.006	3.530		3.490		3.280		AOIB		98955	1	
2195	30 ETA LEO		+17 00 26 17		5 -0.065	4.37	2	5.82	2	7.57	2	F4III		98964	D	
2196	31 A LEO		+10 14 36 35		2 -0.014	4.50	2	4.46	2	4.40	12	AOIII		137366		
2197	15 ALP SEX	10 05 22.720	-00 07 35.34		6 -0.015	7.8	6		-		[MA	6	237711	2 A V 4	
2198	CM VEL		-53 00 54-89			1.350	_	1.240	1	0.880	1	B7V		985-7	DV2	
2199	32 ALP LEO	10 05 42.647	7 +12 12 44.54		0 +0.003	6.83	4	1 2 2 70	•	1 0.000	-	KO	. 4	118135	1	
2200	16 SEX	[] 10 06 37.709	+06 24 59.86	-0.000	9 -0.012	1 0.03	17	1	1	1	1	1	· i '			

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			STAR DE	ESIGNATIONS AND	STAR DA	TA ORDER	D BY RIC	3HT	VSCE	451	ON (195	11+11	1		Υ		
<u> </u>		STAR	RT. ASCEN.	DECLINATION P	RA PM	DEC PM	VISUAL 1	V N	BLUE	B N	υV	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	PROP.	G N
NU	JMBEH .	ELSIGNATION	16 07 02.305		-0.0013	-0.001	4.860	1	4.740	1	3.960	1	B2V	4	237736 201114	l v	1
	2201	Q VEL	10 07 35.813	-37 29 09.78	-0.0012	-0.038	7.61	4	5.93	2	5.88	2	AO AO	"	137385		
	2202	R ANT 17 SEX	10 07 38.418	-08 09 42.801	-0.0021		5.91 5.4	2	5.93	٦	3400	-	GK5E		250840	V	
	2203	5 CAR	10 07 46.152	-61 18 14 15	-0.0129	-0.095	3.610	1	4.610	1	5,530	1	KOIII	١.	155785	D V	
	2205	41 LAM HYA	10 08 08,945	-12 06 22.55	-0.0171	-0.050		6		100			M2	6	118149	V?	
	2200	Z SEX	10 08 24,188 10 08 26,593	-08 10 15.77	-0.0007	-0.049		2	6.95	2	8.37	2 2	GK2 F6V	1	98991	ח	
	2207	18 SEX	10 08 26.573	+13 36 09.71	+0.0027	-0.040		2	6.90	2	6.92	6	MB	6	155819	V	1 '
	2206	34 LEO RT SEX	1 10 09 50.954	-10 p4 25•9/	-0.0019	+0.014	1 - 1	9	5.62	2			BETVPNE	7		ν	
	2209	QY CAR	1 10 10 01-684	1-57 48 47.321	-0.0030	+0.001		2	6.95	2	8.06	2	GKO	١.	118164	1	1
• .	2211	19 SEX	10 10 12.247	1+04 51 44•961	-0.0036	+0.015		4					F8	6	137424 237813	V	
	2212	20 SEX	10 11 15.122 10 11 37.469	-07 08 09·60	-0.0027	+0.005	1 1	7		1	1	1 1	B8 K0	1 6	137430		
	2213	DO CAR		-07 44 40.38	-0.0014	H-0.019	1 1 1 0 0	4	7 050	, I			MOIII	'	15129	V	1
	2214	21 SEX U UMA	10 11 41.697	1+60 14 02.6/	+0.0016	3 -0.004	6.25 5.16	2	7.850 5.38		5.56	2	AM	1	250880		
	2215	M CAR	1 10 12 05.677	1-66 n/ 28 · 10	-0.0058	+0.000	6.41	_					GG3		61957		
	2217	22 LMI	10 12 14.350	+31 43 01 44	-0.002	2 +0.003	3.320	1	3.240		2.920		B7IV		250885 221895		-
	2216	OME CAR	10 12 33.04/	-69 47 21.35 -41 52 25.23		+0.038	3.850	1	3.900		3.980	1	A2V AOV		81258	1	-
	2219	-Q VEL	10 13 24.248	1+29 33 37 31	-0.005	7 -0.028	5.30		5.310	۱,۰	1	1	DG0	-	R1259	1	1
	2220 2221	23 LMI 24 LMI	1 10 13 38.354	1+28 56 00 0/1	-0.004	2 -0.093	6 • 38 5 • 87	ı	1	1			DG2	1	91260		1
	2222	35 LEO	l in 13 46.346	1+23 45 08 39	-0.014	9 +0.031	3.440	1	3.75	0 1	3.940	1	FOIII	1	81265 99034		1
	2223	36 ZET LEO		+23 40 01.93		5 -0.020	5.51			. I.			GM1		43268		
	2224	37 LEO	10 13 59.800	+13 58 42 16 +43 09 53 53		1 -0.043	3.450	1	3.48	0 1	3.540	' 1	A2IV A3	1.	15135		1
	2225	33 LAM UMA	10 14 25.657	1+65 21 31.5/	-0.013	8 -0.012	5 67	2	6.32	2	6.27	2	DF3		A1270	ن	
	2226 2227	32 UMA 39 LEO	1 10 14 29.721	1+23 21 27 13	-0.029	6 -0.105	5.82 5.24		5.55			2	Fill	: [137469		į.
	2220	22 EPS SEX	10 15 08 659	1-07 49 06 78	-0.011	0 -0.001 7 +0.003			4.93			1	KSIB	1.	250905 221936		
	2229	-Q CAR		-61 04 55.08 -47 41 48.69	-0.002	2 -0.002	1 -	6		- [1	MA		5 221936 5 221949	1	
	2230	WZ VEL		-44 59 29.30	-0.005	4 +0.012	9.3	6		-	1		GO M4E		81292	V.	-
	2231	TU VEL	ul in 16 53.900	1420 07 19.18		6 -0.049		6		2	5.26	2	F6IV		99065		
	2232 2233	40 LEC	ol in 17 01.010	+19 43 31 • 21		5 -0.220 8 -0.151			1				KOIII		91298		8
	2234	41 GAM- 1 LEC	ic 17 13.120	+20 05 42.86	+0.021	2 -0.173			4.63			3 1	G7III	Ì	81299 6 237917	_	١٠
	2235	41 GAM- 2 LEC		+20 05 39.68 -57 09 12.70	-0.000	5 -0.013		7				1	B2 A3		6 23/91/	1	1
	2236	HP CAF		7 -22 53 58 72	-0.004	9 +0.041	8.9	6	- 4	, 1,	2 5.90	2	B3	•	118248	V	i
	2237	23 RS SEX	v 1 10 18 27.090) +02 32 30•/8	-0.000	6 -0.00	6.65	2			7	-	K2	-	6 237949		1
	2238	23 RS SEA	1 in 1H 48-110	n 1-55 n4 08•791	+0.000	07 +0 • 01 3 19 +0 • 00 3	7 • 89 4 • 505	1 '			3,80	5 1	BSIV		237959		-
	2240	I- 1 VE	10 19 02.930	0 -55 47 26•91		1 +0.00		4	. 1			1	1	-	237960 99080		.
	2241	I- 2 VE	1	6 -55 47 27.78 3 +15 13 42.20	-0.00	24 -0.02	6.08	. .	6.09				MOIII		43310		
	2242	42 LE	al in 19 21.469	9 +41 45 06 • 25	-0.00	74 +0 • 03	3 • 050				1 6.53 2 7.04		KIIII		221998		1
	2243	34 MU UM -R VE	1 10 20 10.66	6 -41 23 52 28	-0.00	26 +0 05	1 4.83 1 5.69	2	5.93	· '	_ '•'	-	A3	.	62010		- 1
	2244	27 LM	T 10 20 13.86	61+34 n9 40•6/	-0.00	10 -0.01 13 -0.10	6.07	12	7.19	9	2 8.32	2	GK3		11826		
	2246	LE LE	0 10 20 23.49	4 +06 47 49.72	-0.00	08 -0.01		i	- 1			1	9.5	١	4 13753	Y 1	ļ
-	2247	RV LM		6 +30 06 09.43 5 -00 38 54.22		38 -0.04	6.62			_	. ,	2	G5 A P	- 1	13753		- 1
	2248		v 1 10 20 54.80	51-03 49 14.54	-0.00	35 -0.00	0 5.97		5.8	1 .	2 5.70	ء ا '	-		6 23800		1
	2249		R 10 21 07.25	9 -59 22 17.38	+0.00	02 -0.03	2 6.6	1	5			$oldsymbol{\perp}$					
	2250	, , , , , , , , , , , , , , , , , , ,															

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N		N	SPECTRAL CLASS	5 N	SAO CAT-NO.	STAR PROP.	,
				-0.0016	-0.008	5.56	1					GK1		62019		Τ
2251	28 LyI		+33 58 19.89				2	4.86	2	4.35	2	B8		250940		1
2252	L CAR		-66 38 53.57	-0.0040		8.3	6	7.00	-	7.00	_	F5	6	155964	V	1
2253	HS HYA	10 22 12.430	-18 50 18 55	-0.0032		1	2	7.23	ا د	9.19	2	GM3	١,	118286	v	l
2254	44 DE LEO	10 22 37.140	+09 02 22 81	+0.0007			6	1.20	-	7.17	ا 'ا	MB	6	238038	V	1
2255	CK CAR	10 22 39.043	-59 56 15.93	-0.0019			4			1.5		K0	4	62037	1	
2256	59 FWI		+35 40 50 05	-0.0090			2	4.99	2	5.17	2	FOV	7	62038		1
2257	30 LMI		+34 03 05 10	-0.0057				4.350		4.340		F31V-V		256710	V?	1
2258	I CAR	10 23 24.484	-73 46 36 88	-0.0044		4.000	1	4.000	1	4,340	*	A3	7	118299	v	1
2259	RX SEX	10 23 33.540	+04 11 13.33	-0.0000		6 62	*	5.270	١. ا	7.090	١,	K4III	1 ′	155980		1
2260	42 MU HYA		-16 34 49.56	-0.0092		3.790		5.2/0	*	7.090	1	KO	u	137565		1
2261	26 SEX		-00 43 59.76	-0.0034			4						4	137567		1
2262	27 SEX		-04 07 59 64	-0.0033			4	E 70	<u> </u>	7.33	2	KO MOIII	1 7	201405	V?	
2263	ALP ANT		-30 48 45.30	-0.0059			2		2			GAIII-IV	Į.	62053	ח	
2264	31 BET LMI		+36 57 50 87	-0.0100		4.21	2.	5.11	2	5.76	2		l	99136	עכ	1
2265	45 CX LEO	10 25 00.576	+10 01 04.88	+0.0004		6.03		5.970				A P		238071	l v	1
2266	UW CAR	10 25 02.305	-59 24 51 • 54	-0.0063		9.2	6	9.980				G0	6	238077	V2	ł
2267	P CAR		-57 22 59.78	-0.0015		4 • 65	2		2		2	FOIA		238085	V?	1
2268	-5 CAR		-58 29 01.15	-0.0018		3.820	1	4.130	1	4.360	1	FOIII	ļ ·	15196	٧.	1
2269	35 UMA		+65 52 58 • 36	-0.0001		6 • 26			ŀ		1	GK2	1	15198	V	1
2270	ZZ UMA		+62 04 03.93	+0.0013			6		L	l	ا ا	l	1		١ ,	
2271	29 DEL SEX	10 26 56.300	-02 28 57.21	-0.0034			2		2	5.03	2	B9	j.	137600 62076		1
2272	32 LMI		+39 10 54 43	-0.0016		5.87		5.940			1	A4III		201442	DV?	
2273	DEL ANT		-30 21 02.35	-0.0028			2	5.52	2		I۵	B9	1	27670	1,1,4.	- 1
2274	36 UMA		+56 14 15 64	-0.0214			2		2	5,35	2	F8V	1		1	1
2275	30 BET SEX		-00 22 47.84	-0.0028			2	4.96	2	443.	2	B6V	١	137608	1	1
2276	31 S _E X		+02 24 26.75	+0.0041		7.12	4	1			1	KO	. 4	118341	l v	
2277	X OCT	10 28 01.229	-84 05 32.54		+0.029		4			ľ		M3E	.4	258577	l b'	1
2278	33 -H LMI	10 29 01.329	+32 38 12.37	+0.0011		5 • 85	١. ا	5.930			١.	ADIV	1	62101	10	Ţ
2279	K CAR		-71 44 06.98	+0.0043		4.735	1	5.085	1	4.840	12	A2M	1	256722	V?	
2280	46 LEO	10 29 31.730	+14 23 40.08		+0.018	5.54	1.	ľ	1		1	GM2	1	99172	l vr	1
2261	32 SEX		+04 54 09 04		+0.027		4		1.			KO	4	118354	1	lı
2282	-S- 1 VEL		-44 48 42.95		+0.003	6.101		5.951		1		B8	1	222125	0	1
2283	-5- 2 VEL	10 29 49.063	-44 48 32.64	-0.0005	-0.005	5.752		5.602				B8	1	222126	1 -	1
2284	47 RHO LEO	10 30 10.762	+09 33 52.22		-0.006	3.850		3.710		2,760		BIIB		118355	V?	
2285	-P CAR	10 30 14.487	-61 25 39 68		+0.006	3.350	1	3.250		2.540	1	BSVE	1	251006	١ ٧	1
2286	34 LMI	10 30 39.694	+35 14 48 44		-0.011	5.53	١.	5.550				A2V	1	62121	ס	-
2287	-T VEL		-46 44 43.18		+0.000	5.02	2		2	1	1	K4III		222136	ľv	
2286	Y CAR	10 31 17.716	-58 14 25 44		-0.005	7.94	7	8.340		1	1	F5	6	238178 178979	l n'	
2289	44 HYA	10 31 38.019	-23 29 12.97		+0.017	5.08	2	6.68	2		١,	K4III	1		10.00	
2290	37 UMA	10 31 57.350	+57 20 27-14		+0+035	5.16	2	5.50	2	5.48	5	F1V		27695	ł	- 1
2291	48 LEO		+07 12 42.41		+0 • 057	5.08	2	6.01	2	6.65	2	6811-111		118376	עם	-
2292	49 TX LEO		+08 54 33-43		-0.010		2	5.72	2	5.77	2	A2	1 -	256729	l V	-[
2293	QS CAR	10 32 55.817	-70 54 24 15		-0.002	8.9	6	ا مما	1_	1	1	G	7		l v	-1
2294	U ANT		-39 18 12 87		-0.005	5 - 38	2	8.26	2		1.	NB		201533	V	-
2295	35 LMI		+36 35 12-12		-0.042	6.15	1		1_		1	DF3	1	62147	1	
2296	-R CAR	10 33 39.731	-57 17 53•77		-0.003	4 • 45	2	6.07	2	7.86	2	GK3	1		D	
2297	PHI- 2 HYA		-16 05 05.81		-0.006	6.04	12	7.68	2	1	1	GM1	1.	156093	_	1
2298	HX HYA		-23 37 59 16	-0.0007	-0.032	8.0	16	1	1	1	1.	M3	6	179035	V	-
2299	GAM CHA		78 20 53.72		+0.016	4.110		5.690	1	7.630	1	MOIII	1	256731		1
2300	36 LMI		+34 20 19.20	-0.0019	+0.004	6.65	4	1	1	1 2 2 2	1	KO :	4	62167		1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

			SIAR L	ESIGNATIONS AN	NO	SINK DW	IN ONDERE	D D, 11.	- 011	. ,,,,								
	NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	2 <	BLUE MAG.	B	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAP PROP.	G N
ı	2501	U HYA	10 35 04.966	-13 n7 26.18		+0.0020	-0.037	4.82	2	7.51	2	13.29	2	C7-3		156110	v	
	2302	-P VEL	10 35 11.696		1	-0.0158		3.840	1	4.140		4.210	1	F2+A3		222199	D .	1
	2303	GM CAR	10 35 21.841			-0.0025		9.0	7					B9	6	238265	V	1 1
	2303	UV LEO	10 35 40.995			+0.0001			6					G 5	6	99222	٧	1 1
	2305	37 LMI	10 35 54.672			+0.0001			2	5.53	2	6.08	2	GZII		62173		1 1
`. I	2505	PHI- 1 HYA	10 36 08.640			-0.0073			2		2			KOIII		156122	1	
			10 36 13.740		1	+0.0038			4					F2	4	99239		1 1
	2307		10 36 16.452		.	-0.0187		5.72						DF8		62178	ŀ	1 1
	230გ	38 LMI -T- 2A CAR	10 36 50.545		- 1	-0.0013		4.676	2	6.156	2	7.126	2	СК		238295	DV?	33
	2309	-T- 28 CAR	16 36 51.229			-0.0004						11.697		A	4	238297	D	34
	2310 2311	-T- 1A CAR	10 37 04.718		- 1	-0.0108		5.935		7.375				GM1		238304	D -	31
		T- 1B CAR	10 37 07.655		-1	-0.0018				10.399				В	4	238305	יי	32
	2312	-X- 1 VeL	10 37 18.653	-55 20 32.70	ļ	-0.0027		4.28	2	5.32	2	6.07	2	GZII		238319	D	
	2313 2314	-X- 2 VEL		-55 20 46.23		-0.0027		6.62	4					B8	4	238313	ח	
	2315	39 LMI		+27 47 11.08	ĺ	+0.0004		6.93	4		1		ŀ	A2	4	81463		
: I	2310	UZ LEO		+13 49 41 . 12		-0.0009		9.3	6				1			99244	V	1 1
·	2317	38 UMA	10 38 33.383			-0.0268		5.01			'			K2III		15261	٧ż	1 1
	2316	WY UMA		+51 53 41.64		-0.0001		9.4	6		1		Ì	M3	6	27736	٧	
	2319	33 SEX		-01 28 41.50		-0.0093		6.26	2	7.14	2	7.73	2	KilV		137728		1 1
	2320	RX LMI		+31 57 32.92	- 1	+0.0006	-0.026	6 • 16		7.77	7	9.54	7	M4IIIA	7	62206	V	1 1
94	2321	34 SEX		+03 50 41 39		-0.0059	+0.019	6 • 63	4	at a final			150	F5	4	118443		
- }	2322	40 LMI		+26 35 19 14	- 1	-0.0078	-0.067	5.43		5.600	1			A5V		81485	ס	
	2323	39 UMA	10 40 34.778		.	+0.0019	-0.057	5.78		5.760	1		ŀ	B9		27748		1 1
:	2324	41 LMI		+23 27 02.52		-0.0085	+0.004	5.01		5.050	ı		ŀ	A2V		g1490		1 1
	2325	35 SEX	10 40 45 197	+05 00 38 21	1	+0.0013	-0.034	5.79	2	6.96	2	8.05	2	K3III		118449	D.,	
i	2326	R UMA	10 41 07.899	+69 02 19.49	1	-0.0083		5.9	4		١.		١.	M4E	-4.	15273	٧	
	2327	THE CAR		-64 ₀ 7 55•35		-0.0032		2.760		2.540		1.540		09.5V		251093	l v	
	2328	VY UMA		+67 40 27 25		+0.0007		6.00	2	8.41		13.18	2	C6-3		15274	V?	1 !
	2329	-W CAR		-60 18 14-13		-0.0040		4.57	2	6.28	2	8.15	2	CK	٠.	251090	V	
10	2330	TX UMA		+45 49 45.74		+0.0014			4		•			B8	4	43460 258590	l v	1 1
	2331	RZ CHA		-81 46 25 97		-0.0056		8.3	6		۱.			F5 09.51B:	6	238414	Ιον	1 1
11.5	2332	QZ CAR		-59 43 49 18	- 1	-0.0006		6.64	7	6.79	7			G5	6	238416	l v	
200	2333	VY CAR		-57 18 08-35		-0.0004		7.71		8.510 7.49		0 77	2	GK4	"	118473	1	1 1
	2534	36 SEX		+02 45 05 11		-0.0036		6.28	2	1.49	2	8.77	2	GU.	ŀ	238424	l y	
	2535	RT CAR		-59 09 00 60		-0.0022 -0.0019		10.0 5.30	ا ا	5.250	1			B9V		62236	1	
	233 ₆	42 LMI		+30 56 46 23 -59 25 15 86		-0.0019		6.220	١,	6.840		6.380	ı	PEC	7	238429	עם	
200	2337	ETA CAR		+57 37 48.38		-0.0064		6.34	2	7.90	2	9.80	2	MITIT	l '	27760	1	4 1
-	2338	41 UMA		+06 38 13.93		-0.0008		6.37	2		12		2	GK1	İ	118483	l	15n
	2339 2340	37 SEX		-34 59 16.97		-0.0011		9.7	6	l	٦	"""	Ι -	l -: -	İ	201722	V	
	2340			+19 09 20 39		+0.0068		5.45	٦		1			GK3	1	99281		
	2342	51 -M LEO 52 -K LEO		+14 27 33.03		-0.0067		5.47		l · · · · ·]	GG4		99282		1 1
	2343	BO CAR		-59 13 30.92		-0.0033		7.8	6					МО	6	238447	V	
	2343	AC VEL		-56 33 56 09		+0.0004		8.5	7		1	1	١.	B8	6	238458	V	
	2345	B- 1 HYA		-17 01 57.59			-0.018	5.56			1	ł .:		A3M		156221		
	2346	MU VEL		-49 09 19.66	* .		-0.050	2.690	1	3.590	1	4.160	1	GSIII		222321	D	
	2347	38 SEX		+06 36 38.26	.		-0.027	7.01	4	1				A2	4	118493		151
	2346	DEL- 1 CHA		-80 12 19.79			-0.034	5.47	2	6.42	2	7.16	2	GG8		258592	D .	1 1
	2349	-Z- 2 VEL		-56 29 35.34		-	-0.005	5 • 26	2		2			B8		238468		
	2350	DEL- 2 CHA		-80 16 34.91			+0.004	4.450	1	4.265	1	3.565	1	B3V	l	258593		
	10						l	L		L	1	1	L	l	L	<u> </u>		لبيبا

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR CESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V Z		B N		N	SPECTRAL CLASS	S N	SAN CAT.NO.	STAR PROP.	100
•		10 46 11.985	+20 (0 51 91	-0.0066	-0.046	6.16						GK1		g1533		Γ
2351	43 LMI			-0.0005		1	4					Kn	4	137805	1	1
2352	39 SEX		-08 50 06.04			5.28		5.290				A2V		99305		
2353	53 -L LEO		+10 48 37.01	-0.0004		6.61	2	6.83	2	6.91	2	A2		137808	ס	1
2354	40 SEX		-03 45 33 12	-0.0035		6.04	٦	0.65	-	0.71	٦	DA8		81542] "	1
2355	44 LMI		+28 14 18 50	-0.0004				4.350	١, ١	5.620	١, ١	K3111		156256		1.
2356	NU HYA		-15 55 53 45	+0.0062		3.110			ĺż		ž	ASM		137823	0	l
2357	41 SEX		-08 37 56 58	-0.0006			2	5.95	٦	0.00	-	GK1		27791		
2358	43 UMA		+56 50 50 90	-0.0073		5.61	1	100	İ			GK2		27703	1	1
2359	42 UMA		+59 35 09 85	-0.0041		5.52	اءا		1	1	ı	MO	6	238523	V	1
2360	IX CAR		-59 43 02.01	-0.0007		7.4	6	'				AO	4	156271		1
2361	-B- 2 HYA		-18 04 00 59	-0.0036		6.55	4				1	l Ñ	4	179278	l v	
2362	V HYA		-20 59 04.92	+0.0004		6.0	3		1			B5	6	238531	Ιν	
2363	AA VEL		-56 08 41.96	-0.0014		10.1	1.	4.870	١,	5.790		KOIII-IV	"	62297		
2364	46 OMI LMI		+34 29 05 62	+0.0069		3.830	1	4.810	1	3.790	*	KSIII		27815	ľ	
2365	44 UMA		+54 51 05•10	-0.0082		5.20	ا ۱	= 70	١.	5.76	١,	F6V		156301	00.5	
2366	-B- 3 HYA		-19 52 08 84	+0.0053			2	5.70 4.66	2		2	AIV		43512		
2367	45 OME UMA		+43 27 23.96	+0.0041			2				2	GG6		137871		1
2368	-P- 1 LEO		-01 51 46.93	-0.0058			2	6.41 4.430	2	7.18 5.380		KOIII-IV		238574	V?	
2369	-U CAR		-58 35 14 24	+0.0088		3.780	1 1	4.430	1	5.380	*	AM		81576		1
2370	48 LMI	10 51 59.434	+25 45 26 67	-0.0040		6.09	4					R5	4	251169	v	
2571	BZ CAR	10 52 08.613	-61 46 33.66	-0.0015		9.0	۱۳.		1		1	GG7	, ,	62310		1
2372	47 LMI		+34 18 07.64	-0.0049		5.72	٦	11 -71			12	AIV	i .	91593	ח	1
2373	54 A LEO		+25 01 00 80	-0.0053		4.511		4.531		4.541		AIN		81584	ا ا	
2374	54 3 LEO	10 52 55.016	+25 00 58 11	-0.0054		6+301	-	6.321	-	6,331	1	KIIII	1	62314		1
2375	46 UMA		+33 46 27.52	-0.0088		5.07	١,		١,	7. 7.	١,	DF3	1	118574	b	1
2376	55 LEO		+01 00 14.31	+0.0069		5.91	2	6.33	2	6.31	2	GK0		251178	l v	
2377	T CAR	10 53 16.980	-60 15 03.74	-0.0045		5.92	2	7.00	2				1	118576	v	
2378	56 VY LEO		+06 27 09.31	-0.0016		5.81	2	7.26	2	8.26	2	MSIII	4	118577	1	
2379	57 LEO		+00 42 00.53	-0.0009		6.86	4		1		1	KO.	1 4	A1591	i	
2386	50 LMI	10 53 51.827	+25 46 03.09	-0.0018		6.22	١_			1	Į	K0	1 .	251181	l v	ı
2381	GG CAR	10 53 58.015		-0.0006		9.1	7		1		1	PEC	6		ľ	
2382	AG CAR	10 54 10.612	-60 11 10.82	-0.0002		6.5	4				1_	PEC	4	251185		-
2383	IOT ANT	10 54 22.976	-36 52 06.90	+0.0064		4.60	2	5.63	2	6.47	2	GSIII	١ _	201927	V	
2384	VW UMA	10 55 37.999	+70 15 25 50	+0.0057			5		1		1	M2	7	7250	V	
2385	U CAR		-59 27 50 85	+0.0012		6.10		7.500				GO		238635 43557	, ,	
2386	47 UMA	10 56 40.348	+40 41 51.77		+0.051	5.05	2	5.66	2	5,79	2	GOV				ļ
2387	7 ALP CRT	10 57 20.138	-18 01 55.62		+0.124	4.07	2	5.16	2	6.14	2	KOIII	1	156375	1	1
2388	-I VEL	10 57 51.272			-0.002	4.39	3	4.50	2	4.62	5	AZIV	İ			
2389	58 -D LEO	10 57 58.703	+03 53 10 88		-0.020	4 - 84	2	6.00	2	7.12	2	KIIII	1	118610		1
2390	49 UNA	10 58 02.642	+39 28 51.78		-0.024	5.08	2	5.32	2	5.49	2	FOM	1	62354		
2391	R CRT		-18 03 21.78		+0.005	9.8	4		1_	1 `	L	MC	4	156389	DV	1
2392	59 -C LEO	10 58 09.323	+06 22 13.55		-0.029		2	5.15	2	5.26	15	AŽ		118615	V?	1
2393	48 BET UMA	10 58 50 251	+56 39 03•11	+0.0098	+0.029	2.370		2.350		2.350		A1V	1	27876	\ v.	
2394	61 -P- 2 LEO	10 59 16.600	-02 12 53.94		-0.038	4 • 75	2	6.37	2	8.29	2	KEIII	1	137947	V	1
2395	AM LEO	10 59 34.180	+10 09 53 20		-0.043	9.1	6	1	1			F8	6		V	1
2396	60 -B LEO	16 59 39.756	+20 26 54 17		+0.032	4.42	2	4.47	12	4.52	2	A M	1	81637	i	1
2397	ETA OCT	10 59 42.379	-84 19 29 69		-0.007	6.19	2	6.30	2	6.42	2	A0	1	258600	בעם	-
2398	50 ALP UMA	11 00 39.570	+62 01 16.80	-0.0168	-0.071	1.790		2.860		3.780		KOII-III	1	15384	DV?	ı
2399	62 -P- 3 LEO		+00 16 07.46	-0.0040	-0.003	5.95	2	7.17	2	8.49	12	GK3		118634	1	-
2400	SX LEO	11 01 05.328		1 =0.0002	-0.016	9.0	6	1	1 .	1	1	I MC	6	137968	٧	- 1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

2401 2402 2403 2404 2405 2406 2407 2408	DESIGNATION 51	11 02 35.538	+07 36 24·10 +05 25 21·53	-0.0064 -0.0230 +0.0036		5.98		6.140				VEA		62397	ם	1
2402 2403 2404 2405 2406 2407	63 CHI LEO AP LEO 51 LMI CHI-1 HYA RW CRT	11 02 26.300 11 02 29.417 11 02 35.538	+07 36 24·10 +05 25 21·53	-0.0230 +0.0036				0.1401					i 1	4 - 0 - 0 0		
2402 2403 2404 2405 2406 2407	63 CHI LEO AP LEO 51 LMI CHI-1 HYA RW CRT	11 02 29.417 11 02 35.538	+05 25 21·53	+0.0036	 − 0 • 05 0		2	4.96	2	5.04	2	F2III-IV		118648	5۸۵	1
2403 2404 2405 2406 2407	AP LEO 51 LMI CHI-1 HYA RW CRT	11 02 29.417 11 02 35.538	+05 25 21·53	1+0.0000	0.00	8.5	6	7.70	-	3.0	_	G0	6	118649	.V	1.
2404 2405 2406 2407	51 LMI CHI- 1 HYA RW CRT	11 02 55.152	1+25 28 21 80 1		0.050	7.49	4	100				60	- 4-	в1657		
2405 2406 2407	CHI- 1 HYA RW CRT	11 02 55.152			-0.072	4.94	2	5.30	2	5.34	2	F4V	i !	179514	D .	1
2406 2407	RW CRT		-27 g1 23·86		-0.005	8.5	6	3.30	-	3.0		мв	6	1 1 7 9 8 5	V	
2407	CHI- 2 HYA	11 03 27.165	-08 53 03.30		-0.026	5.71	2	5.65	2	5.39	2	B9		179522	V.	
		11 03 31.863	-27 01 02 11		-0.018	5.52	2	6.48	2	7.14	2	\$GG7		118668	רו	1
	65 -P- 4 LEO	11 04 21.165	+02 13 38 • 29		-0.089	6.73	4	0.7-			1	F5	4	81674		1
2409	52 LMI	11 04 23.754	+25 48 28 47		-0.021	4.61	2	5.64	2	6.45	2	\$GG5	1	251269		1
2410	-Z- 1 CAR	11 04 28.908	-62 ₀ 9 12 83		+0.009	6.30	-	6.470	ו "ו			AM	1	81691		
2411	64 LEO	11 04 59.281	+23 35 39 69		+0.004	5.64	1	5.700	1	100	1	ASILI	1	я1692	ים	
2412	67 LEO	1 11 06 08.300	1+24 55 46 21		+0.001	3.910	١,٠	5.150	١,	6.090	11	GOIA-0	1	238813	1	-
2413	-x CAR	11 06 26.766	-58 42 13 82		9 -0.002		2		2	0,000	1	B9IA	1	251286	1	į.
2414	-Z- 2 CAR	11 06 28 544	-61 40 33.27	-0.003	+0.007		4	3.35	-			A2	4	138015		1
2415	bb LEO	11 06 40.428	-01 03 43·01		7 -0.009	3.010		4.150	1	5.270	1	KIIII		4362°	1	1
2416	52 PSI UMA	11 06 51 583	1+44 46 12 60 1		4 -0.032		4	8.400			[F8	4	238825	١v	
2417	ER CAR	11 17 32.017	-58 33 59 52		1 -0.017	4.48	2		2	4.56	2	AZIV	1	179624		ļ
2416	11 BET CRT	11 09 11.730	-22 33 08.99		0 -0 102	8.9	6	1,002	-		U	K5	6	202194	V	1
2419	V 434 CEN	11 09 40.276	-35 53 28 90		0 -0.044	8.7	17					В3	6	251312	V	1
2420	EM CAR	11 09 56.419	-60 49 23.02		1 +0.001		2	6.12	2		1	A0	1	156528	ני	١
2421	PSI CRT	11 10 01.385	-18 13 38 86		6 -0.035	8.84	17	9.720			1.	K2	6	251314	V	ļ
2422	IT CAR	11 10 02.657	-61 28 57.45		4 -0.007	4.60	2	5.15	2	5.20	2	FOIA	1	251316	ו מ	-1
2423	-Y CAR	11 10 26.815	-60 02 43.18		5 -0.000	7.16	4	3.10	-	3.20		A2	4	179648	V .	1
2424	TT HYA	11 10 45.669	-26 11 34.84		1 +0.003	5.42	2	5.39	2	5.34	2	AO	1	118731	1 _	1
2425	69 -P- 5 LEO	11 11 11.950	+00 12 09•95		1 -0.006	2.560		2.680		2.790	1	A4V	1	81727	٧?	ŀ
2426	68 DEL LEO	11 11 27.085	+20 47 52 67		2 -0.135	3.350	li	3.330	lī	3.410	1	A2V		99512	1	- [
2427	70 THE LEO	11 11 37.066	+15 42 11.38		2 -0.083	8.77	17	9.380	17		1	F8	6	238884	V	ı.
2428	GI CAR	11 11 48.017	7 -57 38 18 09		6 -0.016	7.53	4	1	1	1		МВ	6	179679	V	- 1
2429	HY HYA	11 12 10.279	-25 48 07 64		9 -0.014	4.63	2	6.29	12	8.14	2	M3III	1	81736	٧?	- 1
2430	72 LEO	11 12 32.83	7 +23 22 05.98		6 -0.010		15	""	1		1.	KSIII		99525		- 1
2431	73 -N LEO	11 13 15.00	7 +13 34 50 27		5 -0.013 5 -0.041		2	4.68	12	4.83	2	A7III-IV	1	138102	מ	
2432	74 PHI LEO	11 14 07.10	5 -03 22 40 76			_			2	8.54	2	MOIII		118764		- 1
2433	75 LEO	11 14 42.98	4 +02 17 08.63		5 -0 • 148 .9 -0 • 028		5		1			M3	6			- 1
2434	RX CRT	11 15 18.46	5 -21 52 19.22		9 -0.591			4.380	ılı.	4.430	1 0	GOV+GOV		62484		
2435	53 XI UMA	11 15 31.16	2 +31 48 38 88							6.441		KSIII	1	62486		- 1
2436	54 NU UMA	11 15 46.94	7 +33 22 02.56		2 +0 • 023 7 - 0 • 059				2	7.82		GKO		118778		
2437	76 LE0	11 16 20.95	0 +01 55 29.43		9 -0.074				12	4.94	2	A2V	- 1	62491		١
2436	55 UMA	11 16 24.72	2 +38 27 36 38		2 -0.005		6		-	1		F8	6			
2439	RV CRT	11 16 45.42	5 -19 33 17.92		8 +0.201				1 0	5.66	0 1	G8III-IV	1	156605		
2440	12 DEL CRT	11 16 50.29	3 -14 30 27.65		7 +0.008		16		- 1	1	-1	ì K5	6			
2441	BK HYA		7 -34 58 56.73		4 -0.015	. 71			1 1	3.86	0 1	B9V	-	118804		-
2442	77 SIG LEC		0 +06 18 13.06		55 -0.006	I		1 - 1				B5VN	1	238986		
2443	PI CEN	1 11 18 43.15	1 -54 13 00 27		33 -0.020				1			K0	4			
2444	71 LEC	11 19 52.03	7 +17 42 41.85		33 -0.013		- 1 -		2	6.78	2			43719		1
2445	56 UM/	1 11 20 05.35	2 +43 45 26.32		22 -0.039	. 1		5.51	2		2			156646		
2446	13 LAM CR	T 11 20 52.94	9 -18 30 18.07	10.02	13 -0.079				0 1		0 1	F2IV		99587		
2447	78 IOT LEG	0 11 21 19.13	0 +10 48 17.56		02 -0.01		6		1		1	M4	6			. !
2448	T CR	T 11 21 23.21	5 -19 37 59.93		15 +0.00				2	6.99	2	GG7		118831		1
2449	79 LE	1 1 1 21 28.31	6 +01 40 57.05 3 -10 35 05.39		22 +0.02						ı	KSIII		156658	1	. !

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N N		B	IJV MAG.	U N	SPECTRAL CLASS	S	SAO CAT.NO.	STAR PROP.	í
2451	V 685 CEN	11 22 09.703	-57 27 10.70	-0.0002	+0.005	8.7	6					AO	6	239043	V	
			-17 24 32.96	-0.0072		4.08	2	4.29	2	4.39	2	ATIV		156661	ח	ĺ
2452			+16 43 53.78	-0.0102		5.61	[DF2		99601		1
2453	81 LEO 82 L=0		+03 34 36 • 07	-0.0021		6.70	4					A2	- 4	118847		1
2454			+04 08 08 22	-0.0055			2	6.70	2	6.75	2	ABN	1	118851		1
2455	BO LEO HZ HYA		-25 28 48 20	+0.0002	_	8.0	6					M3	6	179882	V	1
2456			+03 17 08 98	-0.0483		6.16	ž	7.01	2	7.63	2	DKO	_	113864	n	1
2457	83 A LEO 83 B LEO		+03 16 43.06	-0.0484		7.9	4		-		_	KO	4	118865	D	1
2458			-12 04 54.43	-0.0072			2	6.43	2	1		DF4		156685	רו	1
2459	16 KAP CRT		-41 14 19.85	+0.0001		9.0	6		_			В9	6	222805	V	1
246u	V 742 CEN		+45 27 37.65	+0.0003		6.5	4			4 1		MB	4	43748	v	1
2461	ST UMA		+03 07 54.52	+0.0011		4.95	2	5.95	2	6.75	2	GBII-III		118875		
2462	84 TAU LEO		-61 08 08·31	-0.0008		8.6	7	30,70	-	0,.5	_	B8	6	251415	l v	
2463	MN CEN		+39 36 44.41	-0.0045		5.24		5.240				AIV	ľ	62572	T.	1
2464	57 UMA		+15 41 22.82	-0.0020		5.82		3.2.0				GK4		99629		1
2465	85 LEO		+30 20 37.68		-0.058	8.7	6	8.84	7				i	6257A	V	1
2466	TU UMA		+30 14 35 18		-0.203	6.8	6	3.0				F0	6	62579	DV	1
2467	AW UMA				-0.020	4.77	ž	6.31	2	8.13	2	K4III	-	138238		1
2468	87 -E LEO		-02 43 38.71		+0.078	5.79	-	0.5-	- 1	0.20	-	DF5		43787		1
2469	58 UMA		+43 26 52 41		+0.012	5.58	1					GKO		99637		1
2470	86 LEO		+18 41 06 97		-0.020	3.850	١, ١	5.470	۱, ۱	7.440	1	MOITI		15532	V?	ı
2471	1 LAM DRA		+69 36 26 09		+0.013	8.65	7	9.340		1.440	-	ко	6	239133	V	
2472	V 419 CEN		-56 37 22.09 -04 01 25.39		-0.008	8.9	6	10.5		l i		M5	7	138245	l v	1
2473	CZ LEO		-65 27 59.47		-0.021	8.7	5				l	B3+B3	7	251436	V	1
2474	TU MUS		-12 06 19.93		-0.019	9.3	6					M5	6	156732	V	1
2475	RR CRT		+14 38 35.50		-0.194	6.00] `				١	DF7	-	99648	ח	1
2476	88 LEO		-59 09 57·55		-0.009	5.13	2	6.21	2	6.98	2	GOIA		239145	DV	
2477	OMI- 1 CEN		-59 14 22.23		-0.002	5.14	2		2	5.52	2	AZIA	ļ	2=9146		
2478	OMI- 2 CEN		-28 59 20.98		+0.134	5.86	-	"."	-	3.32	_	DF7	Ì	179967	D	
2479	N- 1 HYA		-28 59 12.71		+0.141	5.78	١.		Ι.			DF6		179968	D	1
2480	N- 2 HYA		-11 45 25.28		-0.160	8.8	6	9.10		1		F2V	7	156747	V	ı
2481	SU CRT				-0.042	3.540		4.470	١,	5.170	1,	G7III		202558	D .	
2482	XI HYA		-31 34 50 66		-0.107	5.77	Ž	6.23	2		2	DF5		118929	_	1
2483	89 LEO		+03 20 16 99		-0.002	5.95	2	5.79	2	5.14	2	B3V		99673	٥١	П
2484	90 LEO		+17 04 24.58		+0.015	4.620		4.545		4.345		B9V	1	239189		1
2485	A CEN		-53 59 15.82		-0.007		2	7.37		1.010	Ι-	MSIII	3	222887	DV	1
2486	C- 1 CEN		-47 05 44.65 +69 36 04.56		-0.130	5.13	-	1	[-			KOIII		15567	1	1
2487	2 DRA				-0.013	8.8	6	1	1	l		M3	6	156775	V	ı
2488	SS CRT		-17 39 02.16		-0.008	3.130		3.090	1.	2.910	1	B911	ľ	251472	D	1
2489	LAM CEN		-62 44 34 60		-0.054	5.25	2	5.50	2	5.62	ĺŽ	F2	i	222895	1	1
2490	C- 2 CEN		-47 21 51 21		+0.016	8.5	7	7.30	1-	3.02	-	B8	6	251477	l v	1
2491	BF CEN		-61 11 24 29		+0.003	4.70	s	4.62	2	4.46	2	B9V	1	138296		ı
2492	21 THE CRT		7 -09 31 32.04		+0.038	4.30	2	5.31	2	6.05	2	G9111	ł	138298		-1
2493	91 UPS LEO	1 . T - 1 _ 1 _ 1 _ 1 _ 1 _ 1 _ 1 _ 1 _ 1 _ 1	5 -00 32 51 17		-0.009	8.8	6	1 3.0-	1	••••	-	B9	6	239223	l v	-1
2494	V 646 CEN		-52 55 59.21		-0.097	9.4	6	9.520	7			Aź	l š	15575	v	1
2495	SU DRA		+67 36 26 96		+0.024	5.44	2	6.68	2	1	I	GK2	1	222917		1
2496	C- 3 CEN		-47 28 13.95			5.65	2	6.00	2	5.99	2	F2111	1	256857	1	1
2497	PI CHA		-75 37 10 26		-0.001	9.3	7	1 3.03	1-	1 3,73	1	B1.5V	7	251495	l v	1
2498	LW CEN		-63 04 14-27		+0.015		Ι′		1		1	A7N	1	43837		1
2499	59 UMA		+43 54 10 14		-0.038	5.47	I	1			1	DF2	1	43839	1	1
2500	60 UMA	1 11 35 52.827	7 +47 06 42.03	-U.0042	-0.030	6.22	I	1	1	1		10,5	i	1. 4000	1	. [

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

		STAR	DESIGNATIONS AND	STAR DA	TA ORDERE	וא זם ח	ВН	I AZCE	121	714 1173						
			SECURIATION D	RA	DEC	VISUAL	νl	BLUE	В	υV .	U	SPECTRAL	S	SAn	STAR	G
	STAR	RT. ASCEN.	DECLINATION P	PM	PM	MAG.	N	MAG.	N	MAG.	N	CLASS	N	C1T.40.	PROP.	N
NUMBER	DESIGNATION	HR MN SEC	DEG MN SEC N	FM	' ''				-		-+					
		11 35 52.896	+08 24 40.36	-0.0007	+0.002	5.37	2	6.94	2	8.44	2	M4.5III	7	118965	. V	()
2501	1 OME VIR	11 33 32.070	-12 55 35 21	+0.0060		5.64					1	DF5		156802	ח.	
2502	24 IOT CRT	11 36 07.523	+80 30 44.53	-0.0079		9.5	6	1000						1915	V	1 1
2503	AL CAM	11 37 14.810	-34 28 02.58	-0.0036		4.70	2	4.63	2	4.41	2	B9		202695	, ,	
2504	AYH IMO	11 37 43.430	+11 28 21.02	-0.0001		8.9	6					MB	6	99725	٧	1 1
2505	AI LEO	11 37 33 632	+30 19 55.02	-0.0041		9.0	6							62653	٧	1 1
2506	AY UMA	11 30 00.321	121 77 50.08	-0.0044		5.30		46.7			1	KOIII		81941	i	1 1
2507	92 LE0	11 38 11 167	+21 37 50 48	-0.0009		8.7	6		1 1			MB	-6	99730	V	1 1
2508	AK LEO	11 38 13.201	+13 21 18.79	-0.0010		5.34	2	6.08	2	6.31	2	GBV		62655	V?	
2509	61 UMA	11 38 25.282	+34 29 02.88	-0.0007		8.87	7	9.480	7		1 j	65	6	251537	٧	1 . /
2510	UZ CEN	11 38 36.210	-62 24 54 23	-0.0274		5.66						DF1		62658		1 1
2511	62 UMA	11 38 58.336	+32 01 22.45		+0.034	5.34					1 1	KSIII		15606		'
2512	3 DRA	11 39 42.090	+67 01 18 18		-0.014	9.11	5			P		G0	6	202729	V	1 1
2513	V 752 CEN	11 40 18.375	-35 32 17.06		+0.024	9.5	5				1 1	B3	6	251552	, V	'
2514	V 644 CEN	11 40 42.230	-60 27 23.96		-0.036	4.72	2	5.69	2	6.43	2	GSIII	1	156869	1	'
2515	27 ZET CKT	11 42 13.506	-18 04 21.55		-0.022	4.85	2	5.03	2	5.13	2	A4		119029		. ['
2516	2 XI VIR	11 42 42.410	+08 32 10.50		+0.020	7.2	6					MB	6	62693	V	1
2517	TV UMA	11 42 58.064	+36 10 18.06		+0.033	3.640		3.800	1	3.950	1	A7II-III		251575	D	1
2518	LAM MUS	11 43 14 023	-66 27 05.06		-0.187	4.040		5.540		7.320		M1III	1	119035		1
2519	3 NU V ₁ R	11 43 17.340	+06 48 34.72		+0.024	3.720		4.900		6.060		KOIII	١.	43886	٧?	1
2520	63 CHI UMA	11 43 25.030	+48 03 24.16		+0.001	9.8	17		1					202820	V	1
2521	Z HYA	11 45 08.204	-32 59 54 40			5.32	2	5.34	12	5.38	2	A1	1	119058		İ
2522	4 A-1 VIR	11 45 20.756	+08 31 25.26		+0.008	4.53	2	5.08	12	5.36	2	A +G5III-	t	81998	1	1
2523	93 LEO	11 45 24 46	+20 29 48.73		-0.021	4.71	1-	6.24	17			GK3	ì	251597	V -	1
2524	MU MUS	11 45 49.270	-66 32 11.82	-0 0035	-0.015	5.11	1	6.69		}		M4III		180208	V	1
2525	II HYA	11 46 13.28	7 -26 28 17.95		-0.119	2.140	١,	2.220	1	2,300	11	A3V	ļ	99809	DV?	1
2526	94 BET LEO	11 46 30.60	+14 51 05 80		-0.002	4.310		4.160		3.540		B3VNE	1	251602		1
2527	CEN	11 47 14 26	-63 30 37 47		-0.015	8.0	17	'**				85	6	251606	V	1.
2528	LZ CEN		60 30 56 20		-0.275	3.600	1 '	4.150	lı	4.260	1	F8V	1	119076	İ	1
2529	5 BET VIR	11 48 05.38	7 +02 02 47.61		-0.001	8.2	6		1-			М3	6	156937	V	1
2530	RU CRT	11 48 33.33	+ -10 55 46 68		-0.018	4.46	2	5.76	2	7.22	12	KAIII	1	223062		1
2531	B CEN	11 48 38.20	2 -44 53 42.92		7 -0.046	8.0	6	9.27	17		1	К2	6	138451	V	1
2532	NIA AT	11 49 16.7/	0 -05 29 00 24		+0.011	8.5	17	''-	1		1	В0	6	251619	V	
2533	VZ CEN		2 -61 14 45.11		5 +0.007	8.5	6	1			1	MC	6	138457	٧	1
2534	S CRT	11 50 11.67	4 -07 19 06 02		2 +0.001	4.28	2	4.18	2	3.85	2	AOSI		202901	l D	
2535	BET HYA		5 -33 37 47.13		5 +0.007	2.440		2.440		2.470	1	AOV	1	28179	٧?	
2536	64 GAM UMA		6 +53 58 21.97		5 -0.002	8.8	6		17	1		K7	6	82039	V	ļ
2537	CV LEO		6 +20 46 05.82		0 +0.013	5.58	2	6.52	2	7.19	2	GKO		119111		i
2538	6 A-2 VIR	11 52 29.22	2 +08 43 19.27			6.46	1-	""				AO		43945	DV?	1
2539	65 A UMA	11 52 29.99	6 +46 45 18.11		1 +0.004	6.81	1		1		1	B9	- [43946	ם	
2540	65 B UMA		9 +46 44 52.51		6 -0.004	5.47	1	5.570	ì			A3V		99869		
2541	95 -0 LE0	11 53 06.28	4 +15 55 30 08		5 -0.004	5.84	1	1	1		1	GKO		28191	1	
2542	66 UMA		3 +56 52 36 51		9 -0.011	5.18	2	5.15	2			ACV	1	156988	٧?	
2543	30 ETA CRT	11 53 27.83	1 -16 52 20.63		0 -0.039	8.5	6					MB	6	99874	V	
2544	WX LEO	11 53 38.20	3 +16 00 28 02		5 -0.050	10.0	6		-	1.	- 1	MA	6		V	
2545	DV HYA	11 53 51.67	0 -33 59 46 28		8 -0.019	8.4	- 4	1	1	1		M6E	4	28194	V	1
2546	Z UMA	11 53 54.19	6 +58 08 59•27		1 -0.005	4.91	1 '		0 1	4.690	1 1	B9VN	1	256894	D	1
2547	EPS CHA	11 57 06.72	7 -77 56 36 07			8.8	6		٦-		.1	AO	7		V	
2548	DZ MUS	11 57 21.14	7 -69 36 22.96		1 -0.016	5.37			2	5.37	2	A1		119156	1	
2549	7 -B VIF	1 11 57 23.19	4 +03 56 01.03		4 -0.014	5.28	15	""	1			B1.5V		157042		5;
2550	31 CRT	11 58 17.51	5 -19 22 50 18	1-0.001	2 +0.008	1	1	i		1				_1		ш_

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	-1004-	V N		B N		U N	SPECTRAL CLASS	5 N	SAO CAT.110.	STAR PROP.	G N
2551	8 PL VIR	11 58 16.616	+06 53 35.14		-0.0001	-0.034	4.67	2		2	4.90	2	A4V	1	119164	.	
	AG VIR	11 58 29-756	+13 17 13.13		-0.0006	-0.033	8.7	6	8.97	7			Α0	- 6	99908	٧.	1
2552		11 59 10.718	+22 22 22.19	1	-0.0028	-0.016	6+58	4					F8	4	82106		1
2553 2554	1 COM 67 UMA	11 59 34.787	+43 19 22 85		-0.0297	+0.070	5.00					.	АМ		44002 251705	D	l
2555	THE- 1 CHU	12 00 27.925	-63 02 04.31		-0.0214		4.310	1	4.585	1	4,615	1	AM	1	82123	ا م ا	
2556	2 COM	12 01 43.065	+21 44 15.35		+0.0026		5.70			١. ا			F M B3IV	1	251717	. ″v?	
2557	THE- 2 CRU	12 01 43.852	-62 53 14.24		-0.0023		4.710		4.625	1	4.015	1		6	119203	l v	ı
2558	TZ VIR	12 02 02.341	+02 53 52.85	1.	+0.0005		9•0	6	3	_ '		2	MA GK3	°	256899		1
2559	KAP CHA	12 02 09.732	-76 14 28 66	1	-0.0211			2	6.53	2	8.31	-	KO	7	138566	ν·	1
2560	RX VIR	12 02 11.163	-05 29 41.55		-0.0023		8•7	6	5 11	2	5.75	2	GBIII	1 ′	119213		1
2561	9 OMI VIR	12 02 39.704	+09 00 38.34		-0.0149		4.12	2	5.11	2		2	FOIII	1	251742	n	
2562	ETA CRU	12 04 15.481	-64 20 05.32		+0.0052		4 • 15 7 • 0	4	4.42	٦	7.52	٦	MB	4	138594	V	1:
2563	RW VIR	12 04 41.092			-0.0013		5.34	2	5.34	2	5.30	2	AIV		223235		1
2564	E CEN	12 05 38.779	-48 24 51 00		-0.0027		2.65	1	2.560		1.750		BZIVNE	1	239689	עמ	1
2 565	DEL CEN	12 05 45.446	-50 26 38 33	1			4.02	2	4.34	ĺż	4.32	2	F2V	1	180505	1	1
2566	1 ALP CRV	12 05 49.746	-24 27 00 13		+0.0062		9.2	7	''''	-	'	l -	GÖ	6	223245	ν	1
2567	RU CEN	12 06 47.574			-0.0013		8.6	6		l ·	1		M2	6	28265	. v	
2568	TZ UMA	12 07 05.293	+58 39 43.53		+0.0028		5.95	2	7.07	2	8.20	2	GK3	1	119245	1	1,
2569	10 VIR	12 07 07.504	+02 10 42.92		-0.0108		5.73	Ž	6.08	2	6.25	2	A M		119249		1
2570	11 VIR	12 07 30.460	+06 05 05.82		-0.0052		2.980	1	4.320		5.790	1	K3III		180531	٧?	
2571	2 EPS CRV	12 07 32 919	-22 20 30 12 +17 05 14 50		-0.0014		6.30	ľ	6.360			1	A2V	· [·	99973		1
2572	COM	12 07 30 743	-23 19 26 24		-0.0047		5.46	2		2			A2	1	180546	1.	
2573	3 CRV	12 00 23.031	-52 05 24 55		-0.0038		3.960	1	3.810	1	3,200	1	B4V	1	239737		
2574	RHO CEN	12 09 01.00	+57 19 57 68		+0.0006		6.38	1	100	ľ			GK5	1	28291		1
2575		12 00 19.04	+26 08 55 60		-0.0034		5-63	1		1		İ	GK4		82178	1	1
2576	4 COM	12 09 36.77	+20 49 12.97	•	-0.0013		5.56			1			GGB		82182		1
2577	S MUS	12 10 04.18	-69 52 25.51		-0.0028		5.90	1	6.700	1		ı	CF6	1	251791	V	1
2578	I Table	12 10 53.13	+10 32 25.23	,	-0.0065		5.79	1	6.060		 		A M	-	99997	i .	1
2579	12 VIR	12 11 25.27	-45 26 45.27	7	-0.0043	+0.003	5.31	2	6.74	2	8.33	2	GMn		223297	D	1
2580 2581	FG VIR	12 11 41 61	-05 26 24.64		-0.0056		6.54	4				1	A5	6	138664	DV V	1
2582	AH VIR	12 11 47.86	+12 05 55.26	, l	+0.0015	-0.111	9.1	6				1	K0_	6	100003	l v	1
2583	T VIR	12 12 02.57	-05 45 28 53	5	-0.0002	-0.000	8.2	4		1		1	MEE	. 4	138666	l '	1 2
2584	1 CVN	12 12 15.10	+53 42 45.72	2	-0.0024		6.12	l _				1	GK0	-	28309	l v	1 '
2585	V 369 CEN		-54 32 32+35	5	-0.0025		9.1	17	۱	1.	1	١.	MB	6	239791	V?	-
2586	DEL CRU	12 12 28 60) - 58 28 14•80) [-0.0049		2.810		2.570		1.660		B2IV A3V		28315	V?	
2587	69 DEL UMA	12 12 57.58	+ +57 18 36•94	¥ [+0.0126		3.310		3.390		3.460			1	157176	V2	
2586	4 GAM CKV	12 13 13.84	3 -17 15 51.84	+	-0.0114		2.580	1	2.470		2.120	1	B8III A2V	1	100012	1 "	
2589	6 COM	12 13 27.85	5 +15 10 38.40) [-0.0058		5.08	1	5,130		1	1	MIIII		44097	р	
2590	2 CVN	12 13 37.46	4 +40 56 18•0	7	+0.0013		5.60	1	1			1	KOIII		B2211	1	
2591	7 COM	12 13 48.84	+24 13 23.6	2	-0.0022		4.88	1.	5.74	7	7.35	7	MSIII	7		l v	1
2592	EPS MUS	12 14 51.00	2 -67 40 57.38	3	-0.0417		4.16	7	3.74	1'	7.33	1	B0	6		ĺ v	
2593	AB CRU	12 14 55.85	-57 53 12.66	3	-0.0034		8.9	17		1		1	K5	6		V	
2594	AO CRU		0 -63 20 18.1	2	-0.0086		8.5	14					AO	E	223337	V	
2595	SW CEN	12 15 08.08	7 -49 27 23.30	֡֡֡֞֜֡֡֡֡֡֡֡֡֜֜֜֡֡֡֡֡֡֡֡֡֡֡֡֡֡֡֡֡֡֡֡֡֡֡	+0.0001		4.245	1	4.130	1	3.620	1	B6V	1	256924	1	
2596	BET CHA	12 15 22.13	2 -79 02 04.8	3	-0.0152		4.040		3.870				BSIV		251841	D	- [
2597	ZET CRU	12 15 42.63	2 -63 43 30.9	<u>.</u>	+0.0067		5.90	ĺż	6.07	2		2	A3	1	138710		1
2596	13 VIR		3 -00 30 33.7	; [-0.0085		5.00	2		2		2	GM3	-	239838	- D	1
2599	F CEN	12 16 19.09	3 -54 51 54.9	.	-0.0003		6.48	2	6.66	12		2	A7V	7	82237	V	1
2600	FM COM	12 16 30.90	3 +26 17 08.6	٦.	-0.0003	1		1		ľ		L	1				1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	۷ ۷	BLUE MAG•	B N	MAG.	U N	SPECTRAL CLASS	\$ N	SAN CAT.NO.	STAR PROP.	G N
2601	14 VIR	12 16 45.613	-08 38 12.56		+0.0000	-0.027	7.03	4					KO	4	138716	י מ	
2602	8 Com	12 16 47.697		1	-0.0016		6.27	2	6.44	2	6.58	2	д м		82239	Ì	1
2603	9 COM	12 16 59.435	+28 26 09.98		-0.0150		6.20						DF8		A2244	•	
	R CRV	12 17 02.315			+0.0004		5.9	4				ŀ	M6E	4	157211	٧ -	1
2604			-00 23 20 65		-0.0043		3.900	1	3.920	1	3.990	1	A2V		138721	٧?	1
2605	15 ETA VIR	12 17 21.284			-0.0012		5.31					1	GM1		44127		1
2506	3 Cyn	12 17 46.864	1-08 43 01 01			+0.006	9.0	6		1		1	l MC	6	138725	V	1
2607	CH VIR				-0.0196		4.96	2	6.12	2	7.27	2	KIIII		119341	٧?	1
2609	16 -C VIR		+03 35 27.07			-0.033	5.21	2	5.11	2	, , ,		88		180700	D	
2609	5 ZET CRV	12 17 58.019			-0.0061		7.6	6	0.1.	-			M2-3IIIE	7	15775	V ·	1
2610	RY UMA		+61 35 13.27				4.74	2	5.75	2	6.54	2	GSIII		100053	D	1
2611	11 COM	12 18 11.480				+0.084	5.55	۲	3.73	٦	0.57	-	GK5	1	28346		1
2612	70 UyA	12 18 25.940	+58 08 32 32	1		-0.077		7		1		l	F5	6	223370	l v	
2613	SX CEN	12 18 32.228	-48 56 D1 • 93	1		+0.012	9.6	4	7.360	7		1.	60	4	251861	V	1
2614	T CRU	12 18 36.501	1-02 OU 14-72			+0.008	3.590		5.010		6.630	1	GK3	-	251862	V?	ŀ
2615	EPS CRU		-60 07 30 06			+0.082		2	5.34	2	5.51	2	A5M		251866	ח	
2616	ZET- 2 MUS		-67 14 40 99			-0.013	5.15		6.78	2	7.60	2	669	İ	251868		
2617	ZET- 1 MUS		-68 01 45.86			-0.064	5.74	2		2		2	DF7	ļ	119360	р	
2616	17 VIR	12 19 59.426	+05 35 00.08	1		-0.057	6.40	2	7.00		7.08	2	G0111-1V+	i i	82273	D	1.
2619	12 COM	12 19 59.615	+26 07 24.31			-0.014	4.81	2	5.30	2	5.57	٦	GOTTLIA	ſ	256935	l v	1
2620	RS MUS	12 20 21.446	-75 13 34 37			-0.007	9.2	6	6.00	١,			GK1		180747		ı
2621	ь CRV		-24 33 47 28			-0.015	5.68	2	6.84	7		1	F5	4	251878	l v	
2622	R CRU	12 20 52.216	-61 21 07.59			-0.015	6.6	4	7.180			1		•	44155	Ιν̈́	1
2623	4 AI CVN	12 21 19.690	+42 49 10.04			+0.009	5.93	۱_	6.290	1'	1.1	l	F0		203430	lv	1
2624	XZ CEN	12 21 33.478	-35 21 23.45	1		-0.035	7.8	7	l	l_		١.	MC	6	28366	"	
2625	5 CVN		+51 50 20.55			+0.010	4.80	2	5.67	2	6.29	2	G7111		82291		
2626	13 COM		+26 22 32.44			-0.015	5.18	2	5.26	2	5.36	2	A3V	۱.	223414	l v	1
2627	S CEN	12 21 52.330	-49 09 46.52			+0.004	8.1	5		١.			R5	5	44163	Ιv	
2628	UY CVN		+45 51 42.01			-0.044	9•0	6	1			1	0.42	1	28375	I *	1
2629	71 UMA		+57 03 16.93			-0.023	5 - 81	1	1		1.	1	GM3	1	63000		1
2630	6 CVN	12 23 23.345	+39 17 44 80			-0.037	5.04	١.		١.		١.	GBIII-IV	l			1 5
2631	ALP- 1 CRU	12 23 48.064	-62 49 19.43			-0.017	1.317	1	1.067	11	0.067		BIIV		251904	D	
2632	ALP- 2 CRU		-62 49 22.27			-0.014	1.828		1.578	[1	0.578		B3N		0-0000	D	Ι.
2633	G CEN		-51 10 25.51			-0.020	4.820		4.680		4.070		B4IV		239948	D	1
2634	14 COM	12 23 54 154	+27 32 42.06			-0.013	4.95	2	5.22	2	5.40	2	FOP		82310	1	
2635	15 GAM COM		+28 32 46.07			-0.087	4.37	2	5.50	2	6.65	2	K1III-IV	1	B2313		
2636	16 COM	12 24 29.411	+27 06 08 63			-0.015	5.00	2	5.08	2	5,21	2	A4V	1	82314	1	1
2637	73 UMA	12 25 12.795	+55 59 21.68			-0.015	5 • 61	1.		1	l	١.	GM2	İ	28394	1	
2638	SIG CEN	12 25 19.525	-49 57 14.18			-0.022	3.910		3.720	1	2.950	1	B2V	1	223454		
2639	TV COM	12 25 26.788	+19 04 44-22	١.		-0.009	9.2	6		1	1		1		100109	٧	1
2646	-U CEN	12 25 42.451	-38 45 52.42	١.		-0.023	5.60		l		1	L	B8		203508		
2641	17 AI COM	12 26 24.963	+26 11 21.69	١	-0.0019	-0.024	5.29	2	5.23	2	5.13	2	ASI	Į.	82330	DV	
2642	18 COM	12 26 56.989	+24 23 06.44		-0.0023	-0.005	5.48	2	5.91	2	6.00	2	F5IV	1	82333	1	
2643	20 COM	12 27 12.570	+21 10 21.86		+0.0017	-0.038	5.72	1	5.790			1.	A3V		82336		1
2644	7 DEL CRV	12 27 16.380	-16 14 14 14		-0.0146	-0.143	2.940	1	2.890	1	2.800	1	B9.5V?N	1	157323	DV?	
2645	74 UMA		+58 40 50 - 23			+0.088	5.37	1	1	1		1	A5		28405	1	
2646	7 CVN		+51 48 40 66			+0.019	6.13	1		1			DF6	1	28407	1	ı
2647	75 UMA		+59 02 38 10		· · · · · · · · · · · · · · · · · · ·	-0.028	6.10		1.	1			GBIII-IV	1	28408	ľ	
		10 27 48 073	+04 41 34.48			-0.021	8.2	6		1	1		MC	6	119433	V	
2648 2649		12 27 52 404	-25 46 17.39			+0.019	9.4	6	9.52	7		1	A5	6	180855	V	1
	I SV HYA	1 15 61 361070	1 20 70 41407	11:	270010	-0.055	5.07	1 -	6.68	17			GM4		15816	1 v	1

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STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N		B N		UN	SPECTRAL CLASS	5 N	SAD CAT.NO.	STAR PROP.	1
	GAM- 1 CHU	2 28 22.727	-56 50 00.33	+0.0035	-0.267	1.630	1	3.220	1	5.180	1	M3II		240019	UA.5	
2651	GAM- 2 CRU	12 28 29.606	-56 48 17.53	+0.0006	-0.004	6.42	2		2			A2		240022	ח	
2652	21 UU COM	12 28 30.830	+24 50 35.98	-0.0009	-0.013	5.46	2		2		2	A.P	_	B2346	V	1
2653	BG CRU	12 28 51 856	-59 08 52 21	-0.0018		5.44			7	6.37	7	F5IB-G0P	7	240027	l '	1
2654	GAM MUS	12 29 27 195	-71 51 25 17	-0.0102	-0.009	3.860		3.710		3.100		B5V	٠	256955		
2655 2656	E ETA CRV	12 29 29 361	-15 55 09.82	-0.0298	-0.066		2	4.69	2	4.71	2	FOIV		157345 100146	ļ	1
2657	20 VIR	12 30 30.989	+10 34 16 70	-0.0038		6.34						GG7		119463	l v	İ
2658	CI VIR	12 30 35.751	+07 31 33.42	+0.0006			6					MC A4V	6	82378	١ '	ı
2659	22 COM	12 31 04.736	+24 33 31.51	-0.0013			2		2		2			138845	l ·	1
2660	21 -Q VIR	12 31 11.720	I-09 10 35·01	-0.0057			2		2		2	A0 B7P		7593	V?	1
2661	5 KAP DRA	12 31 21.550	+70 03 48·95	-0.0116		3.890		3.750		3.180		GOV		44230		1
2662	8 BET CVN	12 31 22.289	+41 37 44 • 10	-0.0631		4.27	5	4.86	2		2	GSIII		180915	V?	1
2663	9 BET CRV	12 31 45.340	[-23 ₀ 7 13.60]	+0.0001			1	3.520	1	4.170	1	MB	ц	251957	v	1
2664	BO MUS	12 31 57.152	-67 28 53 19	-0.0038		6.21	4			1	1	M2	6	180922	v	1
2665	RU CRV	12 32 19.166	-20 33 39.20	-0.0016		9.1	6		اہا	4.80	2	AOIV	. 0	82390		1
2666	23 COM	12 32 21.635	+22 54 15.43	-0.0049			2	4.81	2	4.00	٢	F1V?		100159	pv?	ı
2667	24 B COM	12 32 35.872	+18 39 07.84	-0.0002		6.72	١.,					KZIII	. :	100160	0	ı
2666	24 A COM	12 32 37.306	+18 39 07.37	-0.0004		5.18	i					GK2		7600	i .	ı
2669	b DRA	12 32 37.661	+70 17 49 65		-0.003	5.07		1		100		GM4E		28444	l v	1
267u	T UMA	12 34 07.200	+59 45 43.32		-0.015	5.5	١.	2 -00	١.	1 660	١,	B3IV		251974	DV?	1
2671	ALP MUS	12 34 10 693	-68 51 36.83		-0.016	2.700	1 1	2.500	۱-	1.660	1	AO		138873		
2672	25 -F VIR	12 34 12.656	-05 33 23.59		-0.022	5.90			1		1	GK5		100176		ı
2673	25 COM	12 34 27.913	+17 21 53.16		-0.022	5.68	١.	3.910		3.940	1	A2V		223560	1	١
674	TAU CEN	12 34 57.448	-48 15 58+29		-0.008	3.860	6	3.910	*	3.540	1*	F5	6	157401	V	1
2675	S CRV	12 34 58 847	-16 59 21.25		-0.036	9.2	6		I		ļ	FO	6	157402	ν	
2676	RV CRV	12 35 03.324	-19 18 10 61		+0.016	11.0	7					GB	6	203655	l v	1
2677	V 449 CEN	12 35 38.462	-35 29 59 40		+0.007	1 -	ľ		'			GM4E	_	119509	V	1
2678	R VIR	12 35 57 669	+07 15 47.01		-0.008	6.2	1	6.550				A5V		44265	1	1
2679	9 CVN	12 36 22,106	+41 08 57.73		-0.021	6.37	1	0.550		1		GG8		A2421		١
2680	26 COM	12 36 38.080	+21 20 14.11		-0.015	5.39	2	5.89	2	7,25	2	K2111		138892		١
2681	26 CHI VIR	12 36 39.749	-07 43 14.48		-0.031	4 • 67	2	4.56	2	4.16	2	AP	1	203681		1
2682	-L CEN	12 37 09.597	-39 42 44.92		-0.035	7.9	6	7.50	16	7.10	-	M711-1112	7	28471	V :	1
2683	Y UMA	12 38 04-415	+56 07 14 83		-0.004	8.30	7	8.860	7			F5	6	240150	V	ı
2684	AG CRU	12 38 32.500	-59 31 11 45		+0.005	2.170		2.160		2,150	h	AOIII	-	223603	D	
2685	GAM CEN		48 41 07.32		0.008	5.90	1	6.700			1	G 5	1	251996	V	ı
2686	R MUS		69 08 00 31		+0.000	6.30	1	""				A5		100207	V?	ı
2687	27 VIR	12 39 03.153	+10 42 01.54		+0.008	2.740	1	3.100	11	3.070	1	FOV+FOV		138917	DV?	١
2688	29 GAM VIR	12 39 07.452	-01 10 31.58 C		-0.095	4.88	ĺ		2	5.00	2	AOV		100211	1	-
2689	30 RHO VIR	12 39 21 180	+10 30 39 16		-0.046	7.21	4		-	1		k5	4	138920	1	Ì
2690	28 VIR	12 39 22.32	7 -07 13 32·04 2 +62 59 14·10		-0.020	5.86	1				ł	AO		15871	1	١
2691	76 UMA	12 39 23.20	+07 04 50 99	-0.004	-0.016	5.59	2	5.59	2	5.57	2	89		119538	l D	1
2692	31 -D- 1 VIR	12 39 25.03	-48 32 19.34		-0.035	4.66	2		2	6.77	2	GK1		223614		1
2693	-W CEN	12 39 40.700	5 +61 21 59.88		-0.017	7.0	4		1		1	SF.	4	15883	V	١
2694	S UMA	12 41 40.01	+37 02 14·41		5 -0.019	9.4	6			1			1	63173	\ \ \	١
2695	TX CVN	10 10 37 45	+ +39 33 00.73		+0.135	5.95	2	6.50	2	6.47	2	GOV	1	63177	1_	
2696	10 CVN		8 -60 42 25.27		-0.068	4.69	2		2	6.67	2	Killl	1	252016	D	Ц
2697	IOT CRU	1	4 +45 42 47.87		2 +0.012	4.87	2		2		2	C5=4		44317	V	j
2698	Y CVN	12 42 47 00	3 +07 56 47.16		+0.000	5.22	2		2	5.70	2	AM		119574	1 _	.
2699	32 -D- 2 VIR	12 43 05.42	2 -67 50 05-16		6 -0.024	3.050		1	1		1	B2.5V		252019	D	1
2700	BET MUS	12 43 11.49	2 -67 50 05.16	-0.005	6 -0.024	3.050	"	2.870	Ľ	2,130		BEVSV	L		1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

_				ESIGNATIONS AN	MD	SIAR DA					_		υ	SPECTRAL	5	SAn	STAR	6
	NUMBER	STAR JESIGNATION	RI. ASCEN. HR MN SEC	DECLINATION F	P I N	RA PM	DEC PM	MAG.	N		B N	1	N	CLASS	M.	CAT.NO.	PPOP.	N
-			12 43 26.930	-58 51 05.81		-0.0005	-0.012	8 • 98	7	9.870	7			G5	б	240231	٧	
- 1	2701	X CRU	12 43 50.043	+09 49 08-75		+0.0186	-0.450	5.67	2	6.66	2	7.40	2	KIIV		119580		
- 1	2/02	33 VIR	12 44 08.887	+16 51 00.91		+0.0006		5.15						K3III		100252		
-	2703	27 COM	12 44 00,007	+06 13 27.05		+0.0022		6.35		6.29		44 2		A4P	7	1195A5	V -	1 1
1	2704		12 44 42.587	+12 13 52.05		+0.0028		6.05					.	A3		100260	0.11	
. [2705	34 VIR BET CRU	12 44 47.037	-59 24 56 53		-0.0050	-0.017	1.250	1		1	0.030		B0.51V		240259	ÜΛ	1 1
	2706		12 45 18.552	+03 50 43.38		-0.0006		6.41	2	8.01	2	9.83	2	GM4		119596	. '	1
: [2707		12 45 32.195	+67 03 46.82		+0.0002	-0.007	5.46						GK5		15902	[1 1
	2708		12 45 44 053	+13 49 33.69		-0.0033	-0.033	6.40		6.420			.	AOV		1		
	2709		12 46 23.872	+14 23 42.62		+0.0022	-0.029	5.70	2	5.72	2	5.79	2	A2V		100283		1 1
- 1	2710		12 4n 23.980	+48 44 20 61		-0.0069	+0.011	6.27		6.440				A M			D	
	2711		12 46 51.347	+27 49 27 45		-0.0073	+0.017	5.70		5.720		100		ASV		82515	17	1 1
	2712	30 COM -P CEN	12 47 57.957	-33 43 37 32		-0.0022		4.91	2	4.87	2			AOIV		203863	V	1 1
	2713		12 48 33.491	+05 49 30 • 60			+0.007	7.7	4				١. ا	M4E	- 4	119627	. "	
- 1	2714		12 49 04.062	+03 19 41.53		-0.0025		3.89	2	3.75	2	3.18	2	GK4		119633		
. [2715		12 49 15.862	+27 48 44.73	10	-0.0010	-0.013	4.94	2	5.61	2	5.81	2	GOIII		82537	a	1
	2716	IOT OCT	12 49 30.427	-84 51 08 65		+0.0508	+0.025	5.46	2	6.48	2	7,27	2	KOIII		258654	17	1
	2717		12 49 43.043	+17 20 43.66		-0.0002	1-0.017	6.38	1				1	GMO		100309	1	1.
	2716 2719	32 COM	12 49 53 538	+17 22 49.27		+0.0022	-0.041	6.92	4				l_	F8	4			1 '
ı		-E CEN	12 50 16.447	-48 40 17.35		-0.0086	-0.023	4 • 33	2	5.70	2	7.28	12	GK2		223731 139022	1	1
- 1	2720 2721	35 VIR	12 50 37.388	-03 16 54.20		-0.0174	-0.006	6.11	2	6.61	2	6.65	2	DF6		203907	1	
	2722	-N CEN		-39 54 26 31		+0.0055	-0.027	4 • 27	2	4.48	2	4.60	2	ATITI	ŀ	252077		1
	2723	KAP CRU	12 50 48 851	-60 06 19·07			-0.026	5.90	1	6.140	1		1	BSIAB		82550	l p	1
	2724	35 COM	1 12 50 50 075	1+21 30 58 99			-0.027	4.97	١.				1	GBIII+F6	l	252081	l ''v	
- 1	2725	EF MUS	12 51 02.557	-69 45 55 03	1	+0.000 <i>E</i>	+0.007	7.7	6		_		1	дм		100322	1	
-11	2726	41 VIR	12 51 19.121	+12 41 23.78	l		-0.029	6 • 25	2	6.52	2	6.57	2	κο	6	223741	l v	1
	2727	YZ CEN	12 51 22.423	-43 36 39·45			-0.014	8.0	6		1			60	٥	240362	V	1
	2728	S CRU	1 12 51 23.582	-58 09 34 04			-0.005	6.20	١.	6.900		7 110	١,	BSIV		240366	ם	1 .
	2729	MU - 1 CRU	12 51 38.394	-56 54 24 • 00			-0.010	4.030		3.860	1	3.110	2	i B5VE	1	240367	D :	1
	2730	MU - 2 CKU	12 51 39.615	-56 53 49 85	ı		-0.005	5.19	2	5.08	2	4.58 3.870		B5?VN	I .	240368		
	2731	LAM CAU	12 51 40.057	-58 52 31.38	١		-0.014	4.620		4.470		7.94		MSIII		139033	l v	1
	2732	40 PSI VIR	12 51 44.944	-09 16 03.92			-0.020	4.80	2		1	1.760		AOPV	1	28553	V	1
	2733	77 EPS UMA	12 51 50.084	+56 13 51 • 13	1		-0.010	1.770	Ί⁺.	1.750	Ή.	1.700	1	M4	1	44383	٧	ŀ
	2734	TU CVN	12 52 39.731	+47 28 03 • 10	1		800.00	5 . 83	1	4.970	١,	6.760	١,	MSIII	1	119674		1
	2/35	43 DEL VIR	12 53 04.986	+03 40 07.60			-0.058	3.380	Į į		2	5.54	2	A5N	1	15941	1	1
	2736	B DRA	12 53 29.454	+65 42 33 68			-0.034	5 • 24	2	5.94	2	5.91	2	Fov	1	63256	ם	1
- 3	2737	12 ALP- 1 CVN	12 53 40.203	+38 35 03.82			+0.057	2.89	. 1	2.770		2.450		B9.5PV	1	63257	עס	1
	2/38	12 ALP- 2 CVN		+38 35 16.82	F		+0.052	5.29	1	- 1,,,,	1	1 2. 1.50	1	88V		240407	1	
	2739	H CEN	12 54 10.886	-50 55 41.60	1		7 -0.019 L -0.002	9.0	6				1	AO	6	223785	V	
	2740	V 377 CEN	12 54 25 854	47 47 23 97			-0.034	6.1	4				1	NP	4	15945	V	
	2741	RY DRA	12 54 28 102	+66 15 51 97			-0.016	8.4	6	1			1	MA	6	119690	V	1
	2742	CN VIR	12 56 17.078	+08 28 46 77	T		+0.024	4.79	2	6.35	2	8.31	2	GM0		100357	٧?	
	2743	36 COM		+17 40 42.39			-0.005	10.	17		-1-		1	B8	6	240459	V	
	2744	V 602 CEN	12 56 58 190	-58 14 43 49			-0.029	7.9	6				1	NA .	6	63280	. V	1
	2745	TT CVN	12 5/ 02.06	3 +38 05 14 - 10			7 +0.003	5.79	2		2	6.05	2	A2		139086	D	1
	2746	44 -K VIR		3 -03 32 33.43			-0.012	4.90	1		1			G9?II-III	1	63288	D	
	2747	37 COM	12 5/ 52.99	+31 03 15.55 0 -03 06 00.31			+0.046	5.99	2	7.11	2	8.20	2	GK2		139096	D D	
	2748	46 VIF	ومعتد أنسد	+66 51 59.88			-0.016	5.32	2		2		2	K2III	1	15960	1	1
	2749	9 DR	12 58 02.05	1 +56 38 07.77			-0.014	4.93	2		2		2	F2V	1	28601	DA5	1
	2/50	78 UMA	12 00 30+35	1,20 30 01.11	1	~		1						1	ــــــــــــــــــــــــــــــــــــــ			т.

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

		STAR [DESIGNATIONS AND	STAR DA	IA ORDERI	U 01 111	LOH	I NOCE	,51							
r			DECL THATTON B	RA	DEC	VISUAL	v	BLUE	В	:17	U	SPECTRAL	5	SAn	STAR	G
	STAR	RT. ASCEN.	DECLINATION P	PM	PM	MAG.	N	MAG.	N	MAG.	N	CLASS	N	CAT.NO.	PROP.	41
NUMBER	LESIGNATION	HR MN SEC	DEG MN SEC N	Fin		7,7.00		,			-					
	C.9	10 50 01 250	+17 23 32.28	-0.0004	-0.030	5.86						GG7		100374		
2751	36 CUM	12 50 41 237	-71 16 47.18	+0.0560		3.620	1	4.800	1	6.060	1	K2III		257010	1	1 1
2/52	DEL MUS	12 50 47 - 7/2	-19 30 19.44	+0.0006			6				ll	A3	6	157664	V_	
2753	UY VIR	12 59 13 446	+11 13 38.90	-0.0187		2.840		3.780	1	4.520	1	G9II-III		100384	٧?	
2754	47 EPS VIR	12 39 41 210	+05 27 15.23	+0.0014			6					MAP	6	119734	٧	1 /
2755	RT VIR	13 00 03 701	-49 15 31 85	-0.0061		4.850	1	4.870	1	4.850	1	AOV ·		223870		
2756	XI - 1 CEN	13 00 30.032	-03 23 40.75	-0.0026			2	6.88	2	6.99	2	A7N		139131	j D	
2757	46 VIR	12 01 19:025	+07 20 08 69	-0.0025			6				1 1	MB ·	6	119746	V	
2758	CO VIR	13 01 24.430	-35 19 22.41		-0.014	11.	7		1		1	K0	6	204103	_V	1
2759	V 603 CEN	13 02 03.674	-48 11 44.73		-0.026	4.710	1	4.570	1	4,000	1	B5V		223900	D	'
2760	-F CEN	13 03 22 134	+36 03 57.55		+0.017	5.00		4.920	١.			B9V		63338	Λ.5	
2761	14 CVN	13 03 24.273	+21 25 16.61		-0.048	5.94		}				DF1		g2650	יי	
2762	39 COM	12 03 56 560	+22 53 02.05		-0.053	5.60	2	7.19	2	8,82	2	GM5		82651	_ V	1.
2763	40 FS COM	13 03 58.753	-49 38 19.89		-0.012	4.270	1	4.080		3.320	1	B2V		223909	ח	1
2764	X1 - 2 CEN	13 03 30 733	+27 53 33-31		-0.077	4.82	2	6.27	2	8.14	2	KSIII		A2659	1_	
2765	41 COM	13 04 46.815	-65 02 21.47		-0.015	5.51	2	5.49	2	4.62	2	BOI?+WC6		252162	ים	1
2766	THE MUS	13 04 32 073	-10 28 24 61		-0.012	5.19	2	6.33	2	7.45	2	KIIII		157739		
2767	49 VIR	17 05 55 922	-08 43 01.10		-0.066	5.55	2	6.73	2	7.91	2	GK3		139175	1	i
2768	-G VIR	17 06 31 343	-22 51 04.21		-0.043	5.11	l					GK1		181410	l	
2769	45 PSI HYA	13 07 08.029			-0.018	5.94	2	7.43	2	9.12	2	GK5		157760	٧?	
2770	56 VIR	13 07 00.025	-05 16 21 11		-0.037	4.38	2	4.37	2	4.38	2	A1V		139189	D	
2771	51 THE VIR	13 07 21 057	+38 47 58.97		-0.002	6.10	1	5.980	1		١.	BTIII		63374	D	1
2772	15 CVN	13 07 24 037	+17 47 36.25 L		+0.131	4.23	1	4.68	2	4.62	2	F5V+F5V		100443	ŋ	47
2773	42 ALP COM	13 07 43 603	+38 59 22 62	-0.0035	-0.009	7.04	4		1			A3	4	63377	l _	1
2774	16 CVN		+38 45 51.02	-0.0063	+0.038	5.98	1		1		1	FO		63380	ַ מּ	1
2775	17 CVN	13 08 08 301	+47 18 24 11		+0.023	9.2	6						ľ	44494	l V	
2776	SY CVN	13 00 00.301	+36 12 01 14		+0.023	8.3	6				1	F8	6	63382	V	
2777	RS CVN	13 09 12,571			-0.013	7.34	4		1		1	K0	4	44499	1	
2778	18 CyN	13 09 12:371	-15 55 45.72		-0.292	5.04	2	5.50	2	5.52	2	F6IV	ļ	157788		į.
2779	53 VIR	13 09 23.370	+28 07 52.02		+0.879	4.26	2	4.84	2	4.92	2	GOV	l	82706		1
2780	43 BET COM	13 09 32.44	5 -18 33 42.09		-0.022	6.8	4			1	1	A0		15779A	D	
2751	54 A VIR	13 10 46 153	2 -18 33 36.70		-0.015	7.3	4	1	1		1		1	157709	D	
2762	54 B VIR	15 10 40 533	7 +37 38 29.78		7 -0.027	7.9	6		1	1		М0	6	63419	V	-1
2/63	S CVN	13 10 40 40	7 -02 32 32.59	-0-004	2 +0.004	7.9	6		1	1	1	M7III	7	139236	V	1
2/84	SW VIR	13 11 20 041	19 40 07.08		8 +0.162	5.63	1		1		1	DG6		157806		1
2785	55 VIR	13 11 00 00	6 -67 37 48.78		8 -0.017	4.800	1	4.720	1	4.380	1	B8V		252224	ס	1
2786	ETA MUS		0 -10 06 20 17		3 -0.054	7.21	4	ļ ·	1		1	K5	4	157811	1	1
2787	56 VIR	13 12 01.33	8 -17 12 25.58		8 -0.038	9.1	6	1				A2	6	157818	V	
2786	UW VIR	13 12 40 400	4 +42 31 50 10		3 -0.029	9.1	6		1	1			1	44528	V	
2789	TV CVN		0 -19 40 39.95		5 -0.121	5.22	2	6.26	2	1	1	KiIV	1	157823	1	1
2790	57 V 1R	13 13 17 19	0 +41 07 07.39		B +0.011	5.59	1			1	ł	A5	1	44531	1	1
2791	19 CVN	13 13 17 100	5 -44 26 26 26		4 +0.008	7.1	14				1	K5P	4	224021	. V	1
2792	UY CEN	13 13 37 02	6 -01 07 34.94		7 -0.017	6.49	1	6.79	7			F0_		139254	V	
2793	DK VIR		9 +06 46 08.32		4 -0.050	7.22	4	8.76	7	10.26	7	MEIII	7		V	
2794	FH VIR		4 -31 14 31.61		8 -0.055	5.36	1	1			1	KIIII		204312	1	1
2795	-R CEN		3 -61 19 13.93		0 -0.014	10.0	7	1	1			MB	6		_v	1
2796	V 396 CEN	13 14 17 53	1 +09 41 05.64		7 +0.187	5.22	2	5.80	2	5,89	2	F8V	١.	119847	D	1
2797	59 -E VIR	12 14 10 00	9 -10 17 00.19		7 +0.009	7.22	4		1	1	1	F0	4	1		Ì.
2798	58 VIR		5 +05 43 57.99		5 +0.011	4.81			2	8.43	2	GM2	1	119855	1	
2799	60 SIG VIR		7 +40 50 07.24	-0.011	2 +0.017	4.73		5.03	2	5.23	2	FOII-IIIP	1	44549	V	
2800	20 AO CVN	12 12 10.14	11,40 30 01,24						┸			<u> </u>	1			ــــــــــــــــــــــــــــــــــــــ
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TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	120	V N	BLUE MAG.	B N	MVG.	U N	SPECTRAL CLASS	S	SA0 C1T.NO.	STAR PROP.	G N
		13 15 47.057	-18 02 01.31	-	-0.0754	-1.072	4.740	1	5.450	1	5.710	1	G6V		157844		
2801	61 VIR		+49 56 40.38		-0.0034	_	5.15			1			A0		44556	Λ.5	
2802	21 CVN	13 16 11.868	-22 54 20.88	- 1	+0.0047			1	3.920	1	4,580	1	GBIII	1	181543	٧?	1
2803	46 GAM HYA V CVN	13 17 17.087	145 17 22.43	- [-0.0047			6					M4E	7	44564	٧	1
2804		13 17 42.169	-11 02 31.04		-0.0085		6.81	4				Į.	Kn	4	157869	1	1
2805	62 VIR IOT CEN	13 17 46.683		- 1	-0.0282		2.730	1	2.760	1	2,770	1	A2V		204371	1	1
2806		13 18 04.621	+40 24 44.81		-0.0054		5.55	.				1	GK1	1	44570	l	į.
2807		13 18 22.400			-0.0024		9.7	6					В	- 6	252281	V	
2808		13 19 20 663	60 (2 38.52		-0.0020		6.51		1.1			1	B4V*	1	252283	د۸۵	
2809	J- 1 CEN	13 19 22.932	-60 43 36 67		-0.0046		4.525	1	4.395	1	3.805	1	B5V	1	252284	ס	
2810	J- 2 CEN	13 19 38.322			-0.0045			2	5.99	2	6.09	2	AM	ļ	119905	1	ı
2811	64 VIR	13 20 20 138	-17 28 26 35		-0.0035		5.45						KOIII	1	157899	Λ.5	
2812	63 VIR	13 20 37.523	-64 16 29.16		+0.0055	-0.032		2	5.38	2	5.85	2	G5III-IV	1	252293		
2813			-04 39 48.26		-0.0014	-0.020		2	7.32	2	8.98	2	GK3	1	139308		1
2814	05 VIR	13 21 07.877	-74 37 32.17		-0.0263	-0.133	5.05	2	6.16	2	7.17	2	GKO		257041		
2815	■ 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13 21 54.916	+55 11 09.46		+0.0139	-0.025	2.292	1	2.312		2.342		A2V	1	28737	UV3	15
2816		13 21 55.808	+55 10 56 63		+0.0134		3.850	1	3.870	1	3.900	1	A M	i	28738	DA5	15
2817	1	13 21 56.859	-04 54 11.82		+0.0104		5.76					1	DF3		139324	١.,	1
2816	66 VIR	13 22 06.824	-59 31 16.73	. !	-0.0015		8.8	7				1.	B9	6	240822	V	1
2819	67 ALP VIR	13 22 33 301	-10 54 03.36		-0.0029		0.970	1	0.740		-0.200		BIV		157923	V V	
2820	BO -G UMA	13 23 13.477	+55 14 52.98		+0.0134	-0.021	4.020	1	4.180		4.260		A5V	1.	28751	Λ.5	1
2821	IOT- 2 MUS	13 23 17.181	-74 25 55.78		-0.0098	-0.023	6.63	2	6.57	2	6.33	2	B9		257047	1	1
2822	W VIR	13 23 26.923			+0.0005		9.5	4	10.03	7		1	Gn	4	139335	V	
2823	BD VIR	13 23 59.767	-15 50 41.85		-0.0011			6				1	A5	6	157936	V	1
2824 2825	V 380 CEN	13 24 04.276	-61 36 52.53	l	-0.0024		9.7	7			1		B8	6	252311	l v	
2826	68 -1 VIR		-12 26 53,17	-	-0.0092	-0.025	5.26	2	6.79	2	8.55	2	MOIII	1	157938	V2	
2827	69 VIR	13 24 46 868	-15 42 53 55	١.	-0.0085	+0.019		2	5.85	2	6.91	2	KIIII		157946	\ \sigma_5	
2828	V 402 CEN	13 25 00-120			-0.0006	-0.034		7	11.	1:		1	AO	6	252319	V	i i
2829	V VIR		-02 54 50 81		+0.0005	-0.001		4		100		1	M3E	4	139350	ľ	
2830	V 743 CEN	13 25 17.716		١.	+0.0006	-0.055		6					A5	6	240869	, v	
2831	76 VIR		+14 02 42.77	1	-0.0164	-0.581	4+98	2	5.69	2	5.95	2	G5V	1	100582		1
2832	K CEN	13 26 20.569		1	-0.0001	-0.021	5.06	2	5.13	2	1		A2	1	240883		
2833	71 VIR	13 26 44.290		1	-0.0042	-0.044	5.68					1.	GG9	1	100592		7
2834	R HYA	13 26 58.482	-23 01 24.51		-0.0041		4.970		6.580	1	7.260	1	GM7E	_	181695	DΛ	1 "
2835	SS HYA	13 27 44.798			+0.0002	-0.042	7.71	5		1			B9	7	181708	DV?	
283 _b	72 -L- 1 VIR	13 27 48.983		1	+0.0026	+0.012	6.07		1	١.		١.	A5	- [139370		1
2837	-D CEN	13 28 08 129			-0.0012	-0.019	3.880		5.040	1	6.080	1	68111		204545	D,	
2838	V 659 CEN		-61 19 29 68		+0.0005	+0.004	6.6	6					F8	6	252342	l v	
2839	FK COM	13 28 24.727	+24 29 25 35	1	-0.0046	-0.022	8.0	6				-1	G5	6	82867	DV V	1
2840	VÝ CVN	13 28 29.971	+38 01 58 40	1	+0.0021	-0.054	8.4	6				1.			63576	ľ	
2841	V 701 CEN	13 28 31.522	-51 30 52 19	1	-0.0026	-0.034	8.7	6	1				AO	6	240918	DV	1
2842	S CHA	13 28 50 340		1	-0.1021	-0.114	7.0						F5		257060	l D	.
2843	73 VIR	13 29 20.719		1		-0.019	5.93				1	1_	A4M		157987	١٧	
2844	74 -L- 2 VIR	13 29 21.721				-0.047	4.69	2	6.29	2	8.25	2	GM3	ļ	139390		
2845	75 VIR			1		-0.007	5.65		1	1.			GK2		157998	1	
2846	76 -H VIR	1		1	-0.0023	-0.041	5.21	2	6.17	2	6,77	2	KOIII		139401	1 ,	
2847	S VIR					-0.010	6.0	ŀ	1.		1		GM7E		139403	, V	
	77 VIR	13 30 47.578	-07 21 59.21	1		-0.001	7.08	4				1	F0	4	139407	1	
2848 2849	RW HYA	13 31 31 971	-25 07 28.59			+0.014	8.2	6						1 .	181760	1 V	
2040	TO THE STATE OF TH	13 31 35.762		4			4.94	2	4.96	2	4.96	12	A2P	2	120004	1 V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

ſ	NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S Z	SAA CAT.NO.	STAR PROP.	G N
+	2851	-Y VIR	13 32 00.689	-12 57 31.06		-0.0033	-0.016	5.81						AIP		158021	פעמ	l
		EQ VIR	13 32 06.611	-08 05 06.74		-0.0186			6			1		K7VE	7	139419	V .	ı
	2852	79 ZET VIR	13 32 08.554			-0.0191		3.380	1	3.500	1	3.580	1	A3VN	ŀ	139420		l
	2853 2854	B1 UMA		+55 36 15.08		-0.0031		5.43		* .		:		AOSI		28803		1
	2855	24 CVN		+49 16 15.85		-0.0132		4.70	2	4.82	2	4.93	2	A4V		44668	٧?	1
	2856	KAP OCT	13 32 25.492	-85 31 53.97		-0.0706		5.58	2	5.76	2	5.92	2	A2		258674		!
1	2857	BO VIR		-05 08 31.82		+0.0009		5 - 73	2	6.68	2		2	GGIII	Ì	139428		1
1	2856	V 764 CEN		-33 13 26.73		-0.0005		9.1	6	10.28	7	11.37	7	K5	6	204640	V	
1	2859	TV HYA		-23 21 39.65		-0.0027	-0.059	7.20	4		•			A3	4	181707	V	l
1	2860	61 VIR		-07 37 02.04		-0.0008	-0.004	7.11	4		1		1	K2	4	139447	5	1.
1	2661	25 CVN	13 35 14,400	+36 32 54.96	L	-0.0084	+0.022		2	5.06	2	5.15	2	A7III		63648	D	
1	2862	EPS CFN	13 36 42.322	-53 12 46.33		-0.0025		2.300	1	2.080		1.160	1	B1V		241047	V	1
1	2863	V 765 CEN	13 36 44.100	-39 29 40.06		-0.0019		6 • 36	ŀ	8.02	7	1	l	M4		204708	l v	1
1	2864	V 744 CEN		-49 41 49.67	1	-0.0116		5.62		l	_			GM7	ł	224317	l v	
1	2865	XX CEN	13 37 01.128	-57 21 37.54	1	-0.0013		6.6	4	7.330	ا7		1	G5	4	241049	V	
1	2866	82 UMA	13 37 34.434	+53 10 24 43	1	-0.0162		5.36	١.		1			A2	7	28832 7859	l v	
1	2867	V UMI		+74 33 48.46	1	+0.0019		7.7	6	70		1 2		M4	'	82942	D.	
1	2868	1 B ₀ 0		+20 12 28 48		-0.0035		5.57	۱	5.570	1	İ		A1V	1	241075	מו	1
	2869	Q- 1 CEN		-54 18 31 32		-0.0096		7.10	4		1			BBV		241076	ا ا	1
-	2870	Q- 2 CEN		-54 18 25 50		-0.0052		5 65	1		1			669		82946	"	
- 1	2871	2 B ₀ 0		+22 44 54 40		-0.0015		5.63	2	6.29	2	8.25	2	M2III	1	28843	V?	1
1	2872	83UMA	13 38 50 564	+54 56 03.02		-0.0031		5.6	۱-	0.2	٦	0.23	-	GMOE	ľ	204739	v	1
1	2873	T CEN	13 38 53 233	-33 20 41.93	1	-0.0012	+0.035	5.16	1					MZIII		139490		1
1	2874	82 -M VIR		-08 27 05 13	ŀ	-0.0035		8.0	6					M2	6	158092	V	
-	2875	RY VIR		-18 53 02.93 +03 47 25.06		-0.0196		5.37	2	6.47	2	7.52	2	KZIII		120092	DV?	
١	2876	84 VIR		-15 55 42.06		+0.0006		5.60	2	6.41	Ιē	6.82	2	GOII		158131		Į.
	2877	B3 VIR		-26 31 45.43			-0.021	8.6	6	!				A3	6	181919	V	
1	2876	SX HYA	13 41 42 50 314	-32 47 29.86		-0.0365			2	4.61	12	4.61	12	F2III		204812		1
-	2879	_		-15 31 01.28	1		-0.029	6.15	-		1		1	AO		158147	1	1
	2880	85 VIR		-12 10 36 19			+0.002	5.82	l		1.			GG7	i .	158152	D	1
	2881	86 VIR M CEN		-51 10 57.82			-0.036	4.65	2	5.61	2	6.33	2	GG9		241157	DV3	1
1	2882	V 766 CEN		-62 20 25.12			-0.016	6.41	2	8.25	2		ì	G8IA+P	7	252448	עם	1 .
ij	2883 2884	-Z CEN		-36 00 08.70			-0.023	5.15	2	5.13	2	1	1	A0	.	204835	ו ס	1
	2885	3 B ₀ 0		+25 57 08.51			-0.065	5.84	1		1	1	1_	DF3	1	82993		1
	288b	87 VIR		-17 36 37.17	1		-0.039	5.44	2		2	8.98	2	MITIT	1	158165	1	1
	2887	84 UMA	13 44 43.755	+54 40 55.31			-0.004	5.49		5.400	•	1	_	AP	1	28885	Diva	1
١	2888	4 TAU BOO	13 44 53.109	+17 42 18.89	1		+0.034	4.50	2	4.98	2	5.03	2	F7V	1	100706	DV?	ŀ
.	2889	BF VIR	13 45 18.572	-00 20 45.86			-0.025	9.2	6			l ·		A0 -	6	139552	ľ	l
	2890	RT CEN	13 45 24.857	-36 36 50+02	1		-0.049	8.1	17		1.	1	1.	1 751/	1	204857 44752	V?	1
1	2891	85 ETA UMA		+49 33 44.12			-0.014	1.860		1.670	L	0.990	1	B3V K0	4	139559	٧,	1
	2892	NIA 88		-06 35 18.80			-0.021	6.59	4		1	1	1	M8E	14	181981	DV	1
	2893	W HYA		-28 07 06.51			-0.060	7.1	li	3.190	1	2.340	L	BZIV	7	224469	V?	1
	2894	NU CEN		-41 26 21 60			-0.025	3.410	2	5.69	2	7.15	2	GM6	1	204875	'	1
	2895	2 -G CEN		-34 12 06 71			-0.061	2.940		2.780		2.040		B2V2PNE	1	224471	ĎΫ	1
	2896	MU CEN		-42 13 31 64			-0.026	8.8	6	1 - 7 50	1	1	1	K2	6	139574	ν	1
	2897	CE VIR		-01 40 52 00			+0.001	7.4	ľ		ı	1	1	GM6		63763	V	
٠ ا	2896	R CVN		+39 47 26-61			+0.037	4.07	2	5.59	2	7,46	2	K5111		100725	1	
	2899	5 UPS 800		+16 02 42.66			-0.041	5.11	1	1	1		1	KITT	i	158186	ı	1
	2900	89 VIR	12 47 00.900	-17 53 09•12	1	-0.0073	"""	"""	L		L			<u> </u>	1_	<u> </u>	1	ــــــــــــــــــــــــــــــــــــــ

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

			STAR :	ESIGNATIONS AND	STAR DA	A UNDEN	-U D1 1.1	-		-		-		1			
NUM	us n	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	1023071-1	۷ ۷		B N	LJ T	U N	SPECTRAL CLASS	5 N	\$An CAT.NO.	STAR PROP.	G N
NOW	DCK	DESTORATION			0.000	0 049	8.3	7					AZ	6	241215	, A	1 1
2	901	SZ CEN	13 47 11.751	-58 15 05+22	+0.0020		4.94	'					K4III		83015		1 1
_	902	υ - Ε ΒοΟ	13 47 20.894	+21 30 41.73	-0.0039			7	8.500	7		1 1	G5P	6	241219	V	1 1
	903	V 381 CEN	13 47 22,494	-57 19 58 44	-0.0058		1	4				l	A3	4	241238	יים	
2	904	N- 1 CEN	13 48 48 655	-52 33 45.85	-0.0047		5.68						B9VN		241239	Ü	120
2	905	N- 2 CEN	13 48 50 649	-52 33 52 32	-0.0027		4.573	2	4.443	2	3.843		BSITIP		204916	D	39
2	906	3 -K- 1 CEN	13 48 55.945	-32 44 49.54	-0.0045		6.026		5.895	2	5.296	2	B8V		2n4917	D.,	40
2	907	3 -K- 2 CEN	13 48 56.526	-32 44 51.73	-0.0098		8.5	6		1			G5	6	204919	. V	1 1
2	908	V 757 CEN	13 48 59.555	-36 22 33 14	+0.0001		9.3	6		1			MB .	6	139594	V	1 1
2	909	AY VIR	13 49 15.948	-03 25 45.76 -55 17 40.36	+0.0004		9.5	6		1			B9	6	241248	ľ	1 1
	910	V 758 CEN	13 49 24.007	-18 27 45.03		+0.023	7.0	6				1			158210	DV3	1 1
	911	DL VIR		+64 58 11.15		-0.006	4.66	2	6.23	2		[2	GM3		16199	D	37
	912	10 -I DRA	13 49 58.224	-31 41 07.91		-0.003	9.132	1	8.992		8.432	1		ł	204944	lő	38
	913	-H- 1 CEN		-31 40 53.46		-0.016	4.749	1	4.609	1	4.049	1	BSIII		204955	ď	1 "1
	914	4 -H- 2 CEN		-35 25 05 26		-0.023	5.64	ı		1			DF6	1	100751	1 "	1 1
	915	-Y CEN	13 50 00 00 00	+18 10 42.63	-0.0028	-0.001	5.59			_			GG4	7	224514	עם	1 1
	916	7 B00 V 767 CEN		-46 52 56 54	-0.0037	-0.004	5.94		5.81	7		1	BEILLE	l '	100761	l v	1 1
	917			+17 31 33.64		-0.009	9.0	6				1	AO		28928		1 1
	918		1 13 52 00 671	[+53 58 26•27] ·		-0.008	5.65	١.			7 7,	2	KZIII		139613	1	1 1
	2919 2920	ьь UMA 90 - Р VIR	13 52 07.925	-01 15 28 42		-0.029		2	6.23	1	7.31		GOIV		100766	1	1 1
	2921	8 ETA BOO	13 52 18 168	+18 38 51 35		-0.363		1	3.260 2.330		1.420		B2TV		224538	1	1 1
	922	ZET CEN	13 52 24.510	-47 02 34 86		-0.044	2.550	4	2.330	1	1.420	1	FO	4	83080	ν	
	923	ZZ BOO	13 53 51.752	+26 09 46·10		-0.007	6.69 5.91	2	6.11	2	6.25	2	A3		120185		i i
	924	92 VIR	13 53 54.861	+01 17 39 69		+0.010	8.8	6	3,11	-	10.25	Г	M3	6	182107	V	
	2925	GH HYA	13 54 03.314	-26 54 41.22		-0.024	8.5	17		1			MB	6	241324	V	1 /
	2926	V 412 CEN	13 54 03.480	-57 28 02.46		-0.005	5.04			1			KSIII	1	83084	V?	1 1
	2927	5 B00	13 54 17.174	+27 44 11 48		-0.012	8.8	6				1	MB	6	120101	V	1 1
	2928	CP VIR	13 54 29 643	+06 49 06 19		-0.025	3.830		3.620	1	2.790	1	B2IV		224577	٧?	1 '
1 :	2929	PHI CEN	13 55 13.278	-41 51 26.57		-0.024	3.870		3.670		2.870	1	B2V	1	2245A5	1	'
	2930	UPS- 1 CEN	13 55 34 79	4 -44 33 37·41 5 -24 43 44·18		0.031	5.17		5.070			. I.	B8	1	182134	i .	'
	2931	47 HYA	13 55 42.43	6 +21 56 21.76		-0.049	5.66		5.620) [1	AOV		83103	V	, ,
	2932	16 Boo		0 +13 11 41.96		1 -0.058	9.4	6	42			1	A2	6	100803	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	2933	UY BOO		5 -24 46 01.83		7 -0.096	5.80		i				F3V	1	182152	l v	- 1
	2934	HYF		7 +37 26 22.34		9 -0.027	8.6	6			1	1_			63872 224621	'	į
	2935	RW CVI		0 -45 21 43.76		1 -0.023	4 • 34	2	4.94	2	5.22	2	F71-11	1	A313N		-i
	2936	UPS- 2 CEN		0 +27 37 38 44		1 +0.014	6.12	1	1	1.	1	1	A3	1	120238	م ا	
	2937	11 BOU 93 TAU VIF		2 +01 47 08.46	+0.001			2		2	4.49	2	ASIII	1	252577	Ιv	
	2938 2939	AT CIF	13 59 46.60	3 -66 29 44.79		9 -0.082		6)	. .	L. 60	,	BIII	1	252582	0	- [
	2939	BET CEN	1 14 00 16.51	0 -60 07 58 09		7 -0 • 023		1	0.38	ս Լե	0.620	' *	M4		257112	V	
	2940 2941	THE APS	14 00 23.28	8 -76 33 24 73		9 -0 035		-		1.		1	An An	6	1	V	
	2942	V 413 CE	ul 14 01 10.55	01-58 39 10.471		0 -0.007		.1:	4.17	٠,١,٠	3.40	11	B3V	1 ~	224673	1	
	2943	CHI CE	V 14 02 59.02	0 -40 56 27.53		7 -0 • 024			3.60				ADIL	1	16273	. V?	
	2944	11 ALP DR	14 03 01.96	3 +64 36 51 57		0 +0.015			1				K2III	1	182244	1	
. 1	2945	49 PI HY	A 14 03 31.04	5 -26 26 32.51		2 -0 - 144		1 4		۲ ۲	7.77	1	AO	4			1
	2946	94 VI	2 14 03 38.65	8 -08 39 13.93		1 +0.017		- 1 1	1	n la	3.95	0 1	KOTII-IV		205188		-
	2947	5 THE CE	V 14 03 43.87	7 -36 07 29 64		9 -0.523				~ *	0.75		MB	6		V	- 1
- 1	2948	ER VI	R 14 03 59.16	4 -13 58 00.77		8 -0.020 6 +0.006		2		2		- 1	ABN	-	139736		
	2949	95 VI		6 -09 04 32 68		8 +0.001		le				- 1	F5	6	158369	V	1
	2950	DM VI	R 14 05 12.03	2 -10 54 54 12	-0.001	U TU • UU •	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1		1							
			1														

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT . ASCEN . HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	, ,	N	BLUE MAG.	B N	UV MAG.	N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
		14 05 55.835	+44 05 29.73	+0.0007	-0.031	5.28	2	6.86	2	8.52	2	M4111-M4.	5 7	44901	٧	
2951	BY B _U O		-08 37 31.27	-0.0013		8.2	6					MB	6	139753	V	i
2952	ES VIR		-10 05 54.66	-0.0006		6.48					ı	GG7		158395		ı
2953			+49 41 37.67	-0.0070		5.22						GM2		44905	V. ?	ľ
2954 2955	13 BOO 3 UMI		+74 49 49.51	-0.0162		6.33						A3		7953]	ĺ
2956	V 759 CEN		-47 31 59.90	-0.0067		7.73	4					F8	6	224743	٧	1
2957	Z VIR		-13 04 08.37	+0.0098		9.9	7							158394	V	1
2958	ET VIR		-16 04 00 12	+0.0002	-0.011	4.91		6.61	1		1	GM3		158401	٧	1
2959	12 -D 800		+25 19 39 84	-0.0017	-0.064	4 • 83	2	5.37	2	5.44	2	FRIV		83203		1
2960	AL VIR		-13 04 32.93	-0.0036	-0.019	9.0	6	9.40	7		l	F5	6	158406	V	1
2961	DN VIR		-10 14 38 68	-0.0009	-0.008	8.7	6			4.	l	MB_	6	158411	V	1
2962	RU HYA		-28 39 01.06	-0.0038		9.4	6				1	M6E	7	182327 7958	ν	1
2963	4 UMI		+77 46 56 76	-0.0108		4 • 87					ł	KSIII	١,	158421	v	l
2964	EU VIR		-18 30 42.77	-0.0014		9.0	6		١, ١		اما	M4 A SI	6	120339	DV.	
2965	CU VIR		+02 38 38 06	-0.0034		5.02	2	4.90	2	4,46	2	F0	4	139785	'''	l
2966	97 V1R		-09 39 57 - 37	+0.0026		1	*		l		1	GK3	٦.	182349		l
2967	50 HYA		-27 01 36.38	-0.0009		5.25 4.21	2	5.53	2	7.00	2	KSIII	ł	158427		1
2968	98 KAP VIR		-10 02 30 80	+0.0004			2	6.16	2	1.00	-	B9	Ì	241552	v	1
2969	V 716 CEN		-54 23 31.02	-0.0032		7.18	L L	0,10	-		l.	MB	6	158431	v	
2970	EV VIR		-13 37 33.62 +52 01 15.47	+0.0054		6.69		7.08	ļ	6.99	2	F2V		29045	D	1 '
2971	17 KAP- 1 BOO		+13 11 35 16		-0.055	5.48	1		į.	""	-	DF6		100925	٧?	1
2972 2973	14 Bu0 17 KAP- 2 Bo0		+52 01 23.55	+0.0063		4.54		4.740	1	4.84	2	A7IV		>9046	עם	1
2974	ETA APS		-80 46 30 92		-0.059		2	5.16	2	5.27	2	A2P		258693	İ.	1
2975	15 B ₀ 0		+10 20 07.17		-0.157	5.24	١		1		1	KOIII	ł.	100934	ם .	
2976	R CEN		-59 40 55.23		-0.022	5.3			1.		1	M4		241580	DV	1
2977	16 ALP B00		+19 26 30 95	-0.0776	-1.999	-0.050	1	1.180		2.460	1	KSIIIP		100944	\.	ŀ
2978	99 IOT VIR		-05 45 46 18	-0.0006	-0.432	4.09	2	4.60	2	4.63	2	F7IV		139824	V?	
2979	RR CEN		-57 37 22 09	-0.0083	-0.039	7.2	4		1		ı	F2	4	241587	V	1
2980	V 636 CEN	14 13 40.211	-49 42 49.03		-0.043	8.8	6	_	1	1.2.	1	G0	6	224812	V V?	1
2981	21 IOT- 1 BOO	14 14 23.673	+51 35 49 93		+0.088		2	4.95	2	5.01	12	A7V	١.	29071	DV	ŀ
2982	10T- 2 B00		+51 36 22 17		+0.082	8.8	4		1_		1	A2	4	29073	V2	ı
2983	19 LAM BOO		+46 19 01.93		+0.158		2	4.26	2	4.31	2	AOP M5	6	158473	l v	1
2984	AN VIR		-14 28 35 50		+0.005	1 -	6	5.900		1	1	A P	l °	158481	v	
2985	CS VIR	14 15 52.016	-18 29 07.67		-0.047	5 · 89 4 · 81	1 .	5.87	2	6.79	2	KOTIT	i	64053	1	
2986	A B00		+35 44 21.87		+0.011	3.550		3.370		2.650		BSIV		224833	V?	1
2987	IOT LUP		-45 49 41.82		-0.012		2	4.96	ĺ	4.40	2	B3V	1	257142		1
2988	EPS APS		-79 52 46 41		+0.024		2	4.65	2	4.74	12	AM	ŀ	158489	V?	1
2989	100 LAM VIR		-13 08 30.89 -13 12 06.70		-0.022	8.7	6	'''	1-	'''	-	M5	6	158492	l v	1
2990	EY VIR		-56 09 26.52		-0.018		2	4.45	2		1	B511	i	241641		1
2991 2992	2		+13 14 02.67		-0.035		2	5.79	2	5.76	2	F5IV-V	1	100975		1
2993	18 B00 102 UPS VIR				-0.072	5.24	Į.			1	1.	GBIII	1	139866	V?	1
2994	20 B00		+16 32 06 18		+0.055	4 • 86	2	6.09	2	7.49	2	KSIII	1	100980	1	1
2995	V 418 CEN		-64 00 46-81	+0.0008	-0.001	8.7	7	1	1	. .		K5	6	252712	\ \ \ \ \	1
2996	PSI CEN		-37 39 23.06	-0.0057	-0.016		2	4.02	2	3.91	2	AOIV	1	205453	ח	1
2997	EZ VIR		-18 45 49.46		+0.002	8.3	6		1.	1		M1	6	158504	٧	1
2998	DEL OCT		-83 26 29.51		-0.008	4.32		5.63	2	7.08	2	GK1	1 .	258698	l v	1
2999	CQ VIR		+06 40 14.44		-0.031	9.3	6	1	1	1		K	6	120410	V	1
3000	103 VIR		-01 45 37.73	1-0.0046	-0.011	6.75	4	ŀ	1	1	1	A2	1 4	139890	i	1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

	STAR		LINATION P	RA PM	DEC PM	12207-	٧	M7	R N	u • 1	N	SPECTRAL CLASS	5 N	SAN C.T.HO.	STAR PROP.	G N
NIMBER	LESIGNATION	1110			0.073	7.4						K0	4	83308	٧	ł
3001	у воо	14 19 41.776 +20	01 59.36	-0.0011	-0.032	4.420		4.240	1	3.500	1	B3V	ļ	205497	٧	1
	-A CEN	14 19 56.795 -39	9 17 04•67	-0.0025	-0.036		2	6.06	2		2	KSIII	ļ	182483		
3002	****	16 20 12.508 -27	7 31 31 63	-0.0145	-0.116	1 ' ' ")	5	0.00	-			F5	5	83315	V	1
3003	51 -K HYA	14 20 17.278 +25	5 46 38 05	-0.0040		1 1	٦		- 1	*		G7III		158528		!
3004	1	14 20 43.914 -11	29 12.00	-0.0009	-0.063	6.30	1		- 1			M4E	4	29125	V	1
3005	5 B00	14 21 12.394 +54	+ n2 12.41	+0.0009	-0.031	1 111	4		- 1			SE	4	2366	V	İ
300ი		14 21 17.844 +84	1 03 37.48	+0.0055	+0.017	' -	4	1				M7E	7	83331	V	1
3007	4	14 21 56 691 +25	5 55 48.52	+0.0024	-0.061	8.6	7	أعاما	١. ١	7 (00	١, ١	взии	•	224919	V	
3008	HX BOO	14 22 54.967 -44	4 59 46 85	-0.0012	-0.015	4.560		4.410		3.620	1:	DF7		224920	ח	1
3009	TAU- 1 LUP		5 09 15 94	+0.0014	-0.011	4.350		4.780	7	4.960	1	AZP	7	120452	l v	
3010	TAU- 2 LUP	14 22 57 189 -45 14 23 22 973 +03	1 13 03.86	-0.0024	-0.045		4	7.00	7				′	29137	\ v?	
3011	FF VIR	14 23 29.610 +5	2 04 52.32	-0.0262	-0.400	4.06	2	4.56	2	4.57	2	F7V		101025		1
3012	23 THE BOO		0 07 02.75	-0.0051		5 • 27	- 1		1			A5		139942	ļ	1
3013	22 -F B00	14 24 07.727 +1	5 53 114.69		-0.062	6.16					_	A1		182570	DV3	
3014	104 VIR		9 16 04.77	-0.0019	-0.026	4 • 97	2	4.90	2	4.49	2	BAIV		139951	DVP	1
3015	52 -L HYA	14 25 37.362 -0	2 00 17 26	-0.0094	-0.005	4 • 82	2	5.56	2	5.77	2	GZIII		139957	'''	
3016	105 PHI VIR		6 10 37 20		-0.059	5.74						GK5		29165	1	1
3017	106 VIR	14 26 03.238 -0	0 40 3/ 20		-0.049	5.49		1				GG4		8024	ח	1
3018	24 - G Bo0	14 26 53.392 +5	0 04 04 36		+0.020	4.25	2	5.69	2	7.39	2	K4III			l v	ļ
3019	l 5 UMI	14 27 36 189 +7	5 55 05 75		-0.035	6.4	4	1	1		1	M6F.	4	641A0	ľ	П
3020	V B ₀ 0	14 27 44 151 +3	9 04 59 12		-0.028	7.7	4		l	i		MC	4	182618	ĺv	1
3021	Y CEN		9 52 34 40	±0.0002	+0.006		6		1.		1	K0	6	158607	ľ	1
3022	UW LIB	l	6 35 20 37	-0.0027	-0.015	6.40		7.300	1			F5		241777		1
3023	V CEN	14 28 56.912 -5	6 40 02-43	-0.0027	-0.013	4.42	2	4.23	2	3.39	2	B2V		241781		1
3024	5IG LUP	14 29 14.049 -5	0 14 11 84		+0.117	3.590	1	4.890		6.330	1	KSIII		64202	D	1
3025	25 RHO BOO	14 29 40 446 +3	0 35 24 14	-0.007	+0.149	3.020	ī	3.210		3.330	1	ATIII	1	64203	DV	1
3026	27 GAM BOO	14 30 03.837 +3	8 31 34 11	-0.000	+0.033	5.91	-		1	<u> </u>	1	DF2		g3395	1	
3027	26 Bo0	14 30 16.105 +2	2 28 45.31		-0.008	10.6	7	i .	1		1	MD	6	205701	V ₂	1
3028	TU CEN	14 31 01.988 -3	1 28 30 48	-0.0036	-0.035	2.310		2.120	1	1.300	1	B1.5V?NE		225044	ŋV?	1
3029	ETA CEN	14 32 19.306 -4	1 56 21 1/	10.0000	+0.129	4.47	2	4.84	2	4.76	2	F2V		83416	I	1
3030	26 SIG BOO	14 32 30 141 +2	29 57 41 19		0.049	9.1	6	1	-	'		60	6	83421	l v	1
3031	AD BOO	14 32 58.268 +2	24 51 24 30			9.8	17		1		1	G5	6	158665	V	
3032		14 33 01.226 -1	17 49 07 45	-0.001	0.029	7.0	6		1	1	1	G5	6	252822	V	١
3033		14 33 19 858 - 6	61 47 37.97	+0.001	0.009	5.41	2	6.41	2	7.12	2	KÕIII		225062	ח	- 1
3034		1 14 34 02.921 -4	+5 55 00 95		+ -0.023	-	2		2	3.34	2	85V	1	225071	1	- 1
3035		14 34 30.605 -4	19 12 32 68		1 -0.022		4		-	"		M4E	4	83440	V	1
		1 1 1 34 59 266 1+2	26 57 09•41	-0.000	5 +0.007				1		1 .	A2	7	64240	V	- 1
3030	- 1	10 35 05.702 +	36 n8 45•19l		5 -0.016				١,	0.77	11	G2V+DK1		252838	ס	- 1
3037		ıl 14 36 11.253 l-6	60 37 48•84 C	-0.490	4 +0.712	-0.280	4		' *	""	1	ко	4	182735		- 1
3038		al 14 36 28.403 -	24 48 47 93	1+0.002	1 -0.025		1 "		1			AO	1	45153	1	- }
3039		1 14 36 58 529 +	44 37 10 46		6 -0.020		1,	' '				M5E	7	64256	V	- 1
3040		10 37 09.314 +	32 45 15 25		9 -0.003		5	: 1	1		1	1		158719	ļ v	- [
3041		1 14 37 34.862 -	17 26 35 95		2 +0.004		Jζ		ء ا ء	4.58	واو	AP		101138		i
3042		14 38 22.485 +	16 37 54 23		0 +0.011							AM	1	101139	DV?	
3043			16 37 52 28		0 +0.006							FOVP	1	252853	1	- 1
3044			64 45 32.38	-0.029	1 -0.23	3.190						BZII	1	225128		- 1
3045			47 10 29.32	-0.001	7 -0.020	2.300			- 1			AZIII+AZI	ŀ	101145	4 -	Į
3046			13 56 30 48	+0.003	6 -0.020	3.780				3.88	011	B3V	T	205839		- 1
3047			37 34 48.53	-0.002	0 -0.036	4.000			U 1	3.14	ΛĺΤ		1 7			Į
30+8			31 47 66.62		2 +0.00		7	'	1		-	M5	1 '	120601		1
3049			08 02 28.74		3 +0.000				- 1	1		GBIII	1	1200011	1 "	ı
305) 31 Bo	0 14 39 11.282 +	OO SE 20-17	1 0.000		1		1	ı	. i	. I					_

TABLE 4 CONTINUED STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	DESIGNATION	HR MIN SEC	DEG MN SEC N	PM	РМ	MAG.	N.	MAG.	N	MAG.	N	CLASS	N	CAT.NO.	PROP.	N
7054	32 B ₀ 0	14 39 19.269	+11 52 30 • 14	-0.0107	-0.117	5.56	2	6.50	2	7.17	2	GSIII		101152		
3051	#	14 40 19.767	-24 47 08.49	-0.0014		5.75	1	5.740		.1		B9		182795	· ·	
3052	LIB	14 40 25.283	-05 26 30.92	+0.0070		3.880	1	4.260	1	4.250	1	F3IV		140090		1.
3053	107 MU VIR	14 40 25.263	-34 57 34.58	-0.0054		4.05			2		2	KSIII		205871		
JU54		14 41 13.443	+26 44 22.02	-0.0011			2	6.47	2	8.41	2	GM3		g3488	٧	
3055	34 W B00	14 41 32.993	-78 50 05 62	-0.0009		3.820		5.260	1	6.920	1	KSIII		257193		.1
3056	ALP APS		-34 58 52 58	+0.0002			2		2		2	Al	1	205899		ŀ
3057	-C- 2 CEN	14 42 33.548		-0.0032			6		- :			M2	6	29259	V	1
3058	UV DRA	14 42 48.137	+27 17 02.66	-0.0038		2.370		3.340	1	4.070	1	KOII-III+		A3500	יי	
3059	36 EPS B00	14 42 54.369	417 10 30 21	-0.0041		4.60	2		2	6.33	2	KOIII		101184	1	
3060		14 42 57.203	+00 55 38 42	-0.0027		5.47		5.440	1			B9		120642	1	
3061	105 VIR 54 -M- 1 HYA	14 43 06.029		-0.0111		5.21					ı	DF1	ŀ	182855	ח	1
3062 3063	54 -M- 2 HYA		-25 14 00 12		-0.083	7.2	ΙI					DFO		182856	D	1
	5 LIB	14 45 12.051	-15 14 59.84		-0.005	6.60		l				GK2		158788	ر	
3064 3065	-B LUP		-52 10 23 89		-0.088	5.20	1 1					GRIII		241992	D	1
306b	V 553 CEN		-31 57 41.97		-0.019	8.7	7					[KO	6	205930	V	
	1u9 VIR		+02 06 08.97		-0.031	3.730	1	3.720	1	3,690	1	NOA T	1	120648	1	П
3067	55 HYA		-25 24 55.90		-0.020	5.67	1		1.5	100	ł	ASI	i .	182875		1
ემხც 3069	BG VIR		+05 05 38 63		+0.002	9.0	6				١.	MB	6	120658	٧	1
	56 HYA		-25 52 44 62		-0.009	5.39	1		1	1		GSIII	1	182882		1
3070			-26 26 16 69		-0.015	5.80		5.780			1	B9V	l	182883	1	1
3071	57 HYA V 768 CEN		-36 25 35 19		-0.052	6.12	1	7.62	7.	B.90	7	GM3	7	205966	V	1
3072		14 45 34.278	+72 10 28.52		+0.024	7.40	4				1	A5	4	8081	1	1
3073	6 UMI AV CIR	10 46 09.329	-67 17 27.57		-0.019	7.9	6				ł		[252908	V	1
3074	7 MU LIB	14 46 34 325	-13 56 30 44		-0.019	5.38	1	5.440		1		A P+AP	1	158821	D	ł
3075		10 47 20 721	-27 45 11.94	1	-0.062	4.41	2	5.81	2	7.28	2	GK4		192911	i	-
3076	58 E HYA	47 26.221	+23 14 19.37		-0.012	7.2	4	[·			1	F3	4	83548	l v	1
3077		14 47 31 671	+46 19 25.55		-0.079	5.71	1		1		1	DE4	1	45226	1	
3078	38 -H B00 8 ALP- 1 L1B		-15 47 25-90		-0.072	5.16	2	5.57	2	5.53	2	F5IV	i i	158836	D	1
3079	39 B00		+48 55 31.51		+0.093	5.60	1				1	DF6+DF5		45231	D	-
3080			-15 50 06.59		-0.071	2.750	1	2.900	1	2.990	1	AM	1	158840	D	- 1
3081	9 ALP- 2 LIB	10 40 00 477	-43 22 11.08		-0.030	4.330	1	4.190	1	3.580	1	B6III?	ļ	225248	D	1
3082	OMI LUP		-02 05 30.76		-0.127	4.95	2	5.93	2	6.63	2	GBIII-IV	ŀ	140176		- 1
3083	11 LIB		-63 36 17.79		-0.014	5.78	1	6.440			1	G311B8?		252928	V	ļ
3084	AX CIR		-18 09 01.41		-0.005	6.82	4		l	1		KO	4	158860		İ
3085	10 LIB		+19 18 27.00		-0.103	4.54	12	5.31	2	5.60	2	G8V		101250	ם	-
3086	37 XI B00		-65 47 16.84		-0.027	6.09	12	6.03	2	5.43	2	B4V	1	252951	l	١
3087	ZET CIR		+74 21 35.57		+0.010	2.080		3.550		5.320	î	K4III	i	8102	٧?	1
3088	7 BET UMI		-24 26 20.00		-0.031	5.44	1				ļ	GK2	1	182983		1
3089			-11 41 43.99 C		-0.015	5.84	1			1	ı	GG7		158887	1	-
3090			-76 27 40 64		-0.015	5.0	1		L	ł	1	GMO	1	257212	V	- 1
3091	R APS	14 52 00.020	-68 38 17.43		+0.011	8.7	6				1		1	252962	V	-1
3092		14 52 20.100	-62 34 45.96		-0.004	5.42	ŀ				ı	B3VNE	1	252965	D .	ı
3093			-52 36 29.25		-0.002	5.56	1		1	1	1	AZV	1	242120	j	
3094	-C LUP	14 52 42 602	-83 01 44·69		+0.055	5.65	2	6.60	2	7.34	2	KO	1	258713	1	-1
3095			-11 12 32.66		+ +0.004	5.63	1		1		1	K4III	1	158915		-1
3096		14 24 02 040	-04 08 38.37		-0.158	4.49	2	4.81	2	4.85	2	FOIV	1	140240	I	- 1
3097			+00 01 58.08		1 -0.027	5.60	1	1			1	KITT	1	120758	1	ı
3098		10 55 14 747	-42 56 02.06		4 -0.043	2.680	1	2.460	1	1.610	1	B2IV	1	225335	1	١
3099 3100		1	-10 57 18.86		0 -0.019	6.42	1			1	ı	AO	1	158935	i	1

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TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

		STAR	JESIGNATIONS AN	ND S	TAR DAT	A OKDEKE			7,542								
	STAR	PT. ASCEN. HE MN SEC	DECLINATION F	P N	RA PM	DEC PM	VISUAL MAG.	V	BLUE MAG.	B N		U N	SPECTRAL CLASS	5 N	SAN CATINO.	PROP.	G II
NUMBER	LESIGNATION	***	 							\vdash			ΑM		143058		
3101	50 HYA	14 55 41.283	-27 27 28 17		0.0031	-0.014	5.68 5.65	2	6.95	2	8.10	2	κ'n		258714		
201ر	P1 - 2 OcT	14 55 51.286	-82 50 28 90		0.0053			1	2.930	1	2.150	1	B2V		225344	ח	1 1
3103	KAP CEN	14 55 53.910	-41 54 17 68		0.0017		3.130	_	2,700	-	2.4.1.30		K3TII-IVP		158946	n .	1 1
3104	lb LJB	14 50 11.058	-10 56 39.18		-0.0071		6.02	6	9.48	7			A5	6	140257	V	1 1
3105	LH LIB	14 56 21.520	-00 44 57 27		0.0008		9•3 4•59	2	6.18	2	7.77	2	GM5	.,	16558	' V	1 [
3100	RR UMI	14 55 46.802	+66 07 52 • 18		-0.0139		9.1	6	0.10	-		_	F5	6	29364	V	1 1
5107	RO DYA	14 57 17.945	+56 57 02-16		-0.0013		5.53	0		<u> </u>			F2		64449	<u> </u>	1 1
3108	46 BOC	14 57 41.851	+39 27 45.54		-0.0029		4.93	2	4.93	2	4.82	12	AO		140270	V	1: 1
3109	19 DEL LIB	14 58 17 808	-08 19 18 19		-0.0045		6.38	٦	6.24	7			AOP	6	45326	ŋ٧	1 1
3110	BX B _U O	14 58 56 279	+47 28 27 43		-0.0014		5.85	2	6.01	12			А М	ļ.,	183099		
5111	00 НуА	14 59 07.228	-27 51 49.82		10.0071		5.76	-	0.02	-			GM2		120798	ח	145
3112	2 ScP	14 59 15.090	+00 03 22 02		+0.0004		5.91	2	5.85	2	5.72	2	A0		258717	1	1
5113	OME OCT	14 59 54.082	-84 35 43 93		-0.00015		4.82	2	6.32	2	8.15	2	KAITI	•	83624	}	
3114	41 OME BCO	14 59 54 991	+25 12 17 · 18 +40 35 12 · 80		-0.0004		3.500	1	4.470		5.180	1	GBIII		45337		
3115	42 BET 800	15 00 03.664	+71 57 39 09		-0.0872		6.66	4					G0	4	8140		1 1
3116	g UMI	15 00 21 995	+02 17 11 29		-0.0037		4.40	2	5.44	2	6.31	2	KOIII	1	120809		1 1
3117	110 VIR	15 00 22 27 0	-63 50 13.24		+0.0161		5.22						GG4	l	253005		1
3118	ETA CIR	15 00 33.717	-25 05 12 27		-0.0054		3.270	1	4.980		6.940	1	M4III		193130	V	
3119	20 SIG LIB	15 01 27 884	-40 39 59 93		-0.0014		6.41	2	7.87	2		1.	GM4	1	225422	1	97
3120	GM LUP	15 01 42-170	-46 51 24.82		-0.0019		3.89	5	3.75	2	3,17	2	B5IV+B5IV	1	225426	DV	1 1
3121		15 02 08-279	+47 50 53.32		-0.0409		4.76	2	5.41	2	5.52	2	DG1	1	45357	IJV	1 1
3122	44 -I B00 43 PSI B00	15 02 18.094	+27 08 29.75		-0.0132		4 • 55	2	5.78	2	7.12	2	K2III	1	83645 45370	DV3	1 1
3123 3124	47 -K B00	15 03 46 364	+48 20 36 15		-0.0071		5.56	1				1	AD		159028	UVE	1 1
3125	21 NU LIB	15 03 49.929	-16 ₀ 3 51 08		-0.0031		5.28	1		1		1	KSIII	4	159030		1 1
3126	22 LIB	15 04 01.282	-16 ₁ 7 30 91		-0 = QT45		6.63	4		1		1	A0 A0	1 1	253029	υν	
3127	T TRA	15 04 58.521	- 68 31 49•90		-0.3055		6.97	4				2	F5V	1	83671		
3120	45 -C 800	15 05 06 199	1 +25 03 46 28		+0.0136			2	5.36	2	5.34		B3V	1	225483	l b	1 /
3129	LAM LUP	15 05 27 871	- 45 ₀ 5 19•99		-0.0015		4.050	1	3.870	1	3.190	1	GK2		83682	1	
3130	46 -B B00	15 06 14 172	1+26 29 30 45		+0.0003		5.56	1	3.844	ر ا	3.724	12	B9V	1	225525	D	93
3131	KAP- 1 LUP	15 08 26.767	-48 32 57.11		-0.0097		3.874 5.774	12	5.744		5.624		An	ľ	225526	מ	94
3132	KAP- 2 LUP	15 08 28.350	-48 33 18 67			-0.042	3.410		4.330		4.990	1	GBIII	1	242304	ם	
3133	ZET LUP		-51 54 37·80			-0.070	4.54		4.46		4.08	2	ASI	1 .	159090	DV3	
3134	24 IOT LIB	15 09 21.946	-19 36 13.70	1 1		-0.031	4.820		4.650		3.980		BSILI	1	225539		
3135	-E LUP	15 09 27.370	1 -44 18 47.18			-0.011	8.2	1		17	-		NB	1	253062	٧	
3136	X TRA	15 09 29.113	3 -69 53 34 63			+0.006	5.78		7.26	17			MAIII	7	101429	V	
3137	FL 5cP	15 09 47.650	+19 09 47 18			-0.041	6.08	2	6.20	2	1	1	A2	1	159105		
3136	25 LIB		-19 27 38.01 5 -25 07 19.22			-0.073	6.45	2		2			DG4	1	183275		
3139	LIB		7 +62 02 48.55			+0.088	7.9	6				1	60	6	16635	DV	1
314u	PM DKA	15 10 50 45	9 +62 02 32.93		-0.0245	+0.094	7.3	6		1			60	6	16636	DV	
3141	BV DRA		0 -01 42 02.44	1		-0.009	8.0	4		1.	1		M5E	4	140398	V	
3142	Y ScP 1 -I LUP	15 11 33.11	2 -31 20 01.92			-0.003	4.91	2		2	5.57	2	FOI		206445		
5143			4 -17 34 59 22	. []		-0.018	6.31		6.29				B9	1 -	159122	v	
3144			1 +00 33 17.46			-0.002	7.99	- 4	7.99				AOP	6		· V	1
3145	FI SCP 48 CHI BOO	15 12 23-61	9 +29 20 55.85			+0.026	5.19		5,21	וו			A2V		83729	1	
3146	3 SCP		6 +05 07 25.66			+0.001	5.31	1	1	1.			GK0	1	120916	D	
3147	DEL CIR				-0.0017	-0.012	5.09	2		2		2 2 2	09V	1	253084 120920	1 "	
3148 3149	4 SCP	15 13 16.07	0 +00 33 21.52	1 1		+0.013	5 • 63	2		2	5.90	12	A3	1	253088	1	
3150	EPS CIR		2 -63 25 39.01	1 1	+0.0009	+0.006	4 • 86	2	6.11	2	7.43	12	GKO	1	2,300,00	1	1
1 3-50			1	1. 1		1	·	1_					<u>., </u>				

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N		DEC VISUAL PM MAG.	- V N		B N	***	N	SPECTRAL CLASS	5	SAA CAT.NO.	PROP.	1
3151	45 DEL 500	15 13 29.117	+33 30 01.20		+0.0066 - 0	.116 3.49	1	4.440	1	5.120	1	GBIII		64599	ذ∆ن	Γ
	BET CIR		-58 36 58 46		-0.0122 -0		- 1		2		2	A3V		242394	ł	1
3152	ES LIB		-12 51 21.50	l .	+0.0006 -0		6		-			A2	6	159146	V	1
3153 3154	GÂM TRA		-68 29 48 82			031 2.89		2.900	1	2.870	1	AIV		253097		1
	27 BET LIB		-09 11 58.93		-0.0066 -0			2.500		2.130		BBV		140430		
3155		15 14 46.871			-0.0007 -0		2	5.43	2		2	GKO	1	183346	V٦	1
3156			-47 41 33.44	1	-0.0025 -0		2	4.18	2		2	88		225638	n	1
3157			-66 18 53.37		-0.0003 -0		4	7.65	17.		ļ -	GO	14	253107	V V	
3156			-40 36 23 29		-0.0013 -0		2	5.49	2	100	ļ	B9V		225647	V	1
3159			+31 49 43.85	1	-0.0023 -0		4		-			B8	4	64619	V	1
3160	U CRB		+01 57 11.93	١.	+0.0247 -0		1 '	5.60	2	5.66	2	FRIV-V		120946	0	1
3161	5 SCP 11 GAM- 1 UWI		+72 00 19.07		+0.0003 +0		1-	1 3.03	-	1 3.00	-,	K4III		8207		1
3162			-17 58 42.19	1	-0.0009 -0		2	7.19	2			GG8	1	159187		
3103	26 L1B		+29 47 47.25		-0.0094 -0				2	7.30	2	KOIII	1	g3768	1	
3104	1 OMI CRB		-40 28 04.92		-0.0014 -0					2.130		BZIV	1	225691	Ιv	1
3105	DEL LUP			١.	+0.0015 +0		٦ ٦	10000	1		-	A6N		159101		1
3166	29 OMI LIB		-15 22 09.69	1	-0.1615 -0		2	6.30	2	*		G2V		225697		1
3167	NU - 2 LUP		-48 08 05 84		-0.0030 -0				2	7.76	2	KSIII		120955	l p	1
3106	ь ScP		+00 53 45 38	1: .	-0.0038 +0		4		-	(• / 0	-	MZE	- 4	193401	l v	1
3169	S LIB		-20 12 32·31 -36 04 53·19	1	-0.0075 -0				١,	6.970	l۱	KSIII	i '	206552	D	1
5170	PHI- 1 LUP		-47 44 50 48	1	-0.0135 -0				2	0, 0	-	DF7	1	2257n3		
3171	NU - 1 LUP		-40 44 53 27	1 .	-0.0007 -0		6		-		ı	Gn	6	225707	V	ı
3172	FW LUP EPS LUP		-44 30 40 20	1	-0.0018 -0				11.	2.460	1	E31V	1	225712	n	1
3173			+14 29 35.00		+0.0002 -0		14	_	-	,	Ι-	M5E	4	101503	٧.	
3174	5 ScP S C _H B		+31 32 46.51		-0.0016 -0		- 4		1		1	M7E	4	64652	v	1
3175			-59 08 33.15		-0.0014 -0		1 1	1	12	4.35	2	B5+F8		242463	ъ.	
3170	•		+33 06 42.07		-0.0043 +0			5.200		7,	-	B9V		64656		1
3177	50 Bu0		-36 40 50 36		-0.0015 -0					3,770	1	B5V	1	206580	i	1
3178	PHI = 2 LUP		+12 44 43.06		-0.0002 -0			6.080			Ι-	B9.5V	1	101508	1	
3179	7 ScP		-14 57 24.85		-0.0002 +0							K2	4	159212	1	Т
3180	30 LIB		+72 00 42.97	1	-0.0051 +0			i .	1	3.210	1	A311-111	1	8220	V?	
3181	13 GAM- 2 UMI			1	-0.0005 +0				1	0.210	-	G5	6	242485	V	
3182	GH LUP		-52 40 38 86		+0.0104 -0				2	5,60	2	G2V+G2V	1	64673	l D	1
3183	2 ETA CHB		+30 28 02.35	1	+0.0049 -0				2	6.43	2	FOV	1	140502		1
3184	8 ScP	15 21 08 845		1:	-0.0033 -0			1 5,25	1	0.73	-	AOSI		206597	מו	1
3185	UPS LuP		-39 32 00.41		-0.0048 -0			5.38	2	5.40	2	F5V	1	159234		1
3186	31 EPS LIB		-10 08 37·90		-0.0011 +0		6		-	3.40	-	B8	6	253159	l v	1
3187	HP TRA		-63 15 05.78		-0.0045 -0				2	4.54	2	AOIV	ľ	206616	1	ı
3188	-K LuP		-38 33 28.63 +37 33 05.49		-0.0124 +0				2	4.69	2	FOV	1	64686	D	1
3189	51 MU - 1 B00		+37 31 18.89		-0.0124 +0				2	7.22	2	DGO	1	64687	D	1
3196	51 MU - 2 BOO				-0.0010 -0				2	8.78	2	MILLI	1	101545		1
3191	9 TAU- 1 SCP		+15 36 09.65		-0.0020 +0					5.680		KZIII	1	29520		1
3192	12 IOT DRA		+59 08 26.16		+0.0011 -0			1.750	1	""	-	KSIII		159280	1	
3193	32 LIB		-16 32 36.71		-0.0137 +0			3.970	11	4.080	1	FP		83831	V	1
3194	3 BET CRB		+29 16 37.26		+0.0008 -0				2	4.61	2	B3IV		257289	ם	1
3195	KAP- 1 APS		-73 13 07.26		-0.0058 -0			"""	1	1	1	A5	1	121020	-	
3196	10 ScP		+02 00 51.98						1			FOP	4	159292	1	1
3197	33 L ₁ B		-17 16 10 98		-0.0051 +0				1		F	1666	1	159307	1	1
3198	34 LIB		-16 26 21.35		+0.0011 -0			6.61	2	8.52	Z	K5111		45590	1	
3199	52 NU - 1 BOO		+41 00 09.24		+0.0006 -0			6.080		0.32	-	Bav	1	101600	1.	1
3200	12 TAU- 2 SCP	15 29 51.309	+16 13 28+43	1	-0.0000 +0	0.005 6.13	- 1	10.000	1	1		00.	1	1 -17-00%	1	1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ; SCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V И		B N	UV MAG.	U N	SPECTRAL CLASS	S 11	SAn Cat.NO.	STAR PROP.	G N
	*	15 29 59.475	+41 04 05.26	-0.0019	-0.012	5.02	2	5.09	2	5.20	2	A3		4559n	n	Γ
3201	53 NU = 2 B00	15 30 05.435		-0.0009		5.50	2	5.36	2		1	B2VNN		159335		
3202	35 ZET L1B	15 30 03.433		-0.0009		5.76	_					GG9		140596		1
3203 3204	11 A-1 SCP 4 THE CRB		+31 31 36 47	-0.0017	-0.015	4.13	2	4.00	2	3.45	2	B7NN		64769		i
3204	EI LIB	15 31 25.452		+0.0006		9.2	6					A2	۴	183578	V	1
320 ₀	RHO OLT	15 31 26.275	-84 18 14.99	+0.0953		5.57	2	5.68	2	5.76	2	A2		258731	l	1
	37 L1B	15 31 26.466	-09 53 40 - 37	+0.0205		4.62	2	5.63	2	6.48	2	K1TV		140609		
3207 3208	S UniI	15 31 28.217	+78 46 55.09	-0.0011		9.4	6	1						8267	V	Ì
3209	36 L ₁ B	15 31 35 056	-27 52 47.95	+0.0011	-0.036	5.19				100		∩K4		183580	1	
321u	GAM LUP	15 31 47 990	-41 00 00.97	-0.0014	1	2.780	1	2.580	1	1.760	1	B2VN		225938	ח	
	PI = 1 UMI	15 32 00.234	+80 36 57.35	-0.0944		6.58	2	7.25	2	7.38	2	GOIV-V	ŀ	2556	ט	
321 ₁ 321 ₂	EPS TRA	15 32 07 105	-66 09 04.08	+0.0048		4 - 11	2	5.28	2	6.44	2	KOIII		253226	D	
3213	P1 - 2 UMI		+80 37 02.33	-0.0862		8.6	4		}			G5	4	2558	ם ן	
3214	R NoR		-49 20 32.94	+0.0023		6.4	4		1			M4E	4	225948	עסַ	l
3215	13 DEL- 1 SCP		+10 42 12.66	-0.0051	-0.007	5.114		5.374		5.494		DF0		101623	ם ו	146
3216	13 DEL- 2 SCP	15 32 24.681	+10 42 17.82	-0.0051	+0.010	4 • 184		4.444		4.564		FOIV		101624	DΛ	147
3217	-D LUP	15 32 26.018	-44 47 33.65	-0.0024		4.540		4.360		3,680		BSIV		225950	D	1
3218	5 ALP CRB		+26 52 54 - 75	+0.0090	-0.091	2.240		2.220		2.190		AOV		83893	l "v	1
3219	38 GAM LIB	15 32 43.474	-14 37 27 13	+0.0043		3.910	1	4.930	1	5.670	1	GBIII-IV		159370 8274	D	1
322u	15 THE UMI	15 32 51.271	+77 30 59 57	-0.0164		5.14	_	1				KSIII	١.,	1 "	υQ	ĺ
322i	TW D-∢A	15 33 07.061	+64 04 22 49	+0.0009		7.8	5		1			A5+K0III	7	16767	100	
3222	15 TAU- 3 SCP		+17 49 15 29	-0.0055		5.96	1				l	GG8		64790		1
3223	6 MU CRB	15 33 24.732		+0.0021		5.22	۱.		1.	, EE0	١.	GM2	1	183619	D	-
3224	39 UPS LIB	15 33 58.965		-0.0006		3.570	1	4.960	1	6.550	+	K5III DF5	1	140643	1 "	
3225	14 ScP	15 33 59 546		-0.0020		6.51					1	KOP	1	101640	1	ł
3226	16 SCP	15 34 05 279		+0.0029		5.26	4					MB	4	101641	l v	
3227	17 TAU- 4 SCP		+15 15 55 98	-0.0005		5.85	1		1			A6N	"	101642		1
3226	18 TAU- 5 SCP		+16 17 00 01	+0.0052		4.33	2	5.76	2	7.48	2	MOTII	1	226004	l o	
3229	OME LUP	15 34 40.555			-0.028	5.65	2	5.61	2	5.23	ĺž	BBIV	į.	257307	D	
კ2 3ც	KAP- 2 APS	15 34 45.861	+32 44 44.85		-0.029	9.0	6	****	-	3.23	-	MC	6	64810	. V	1
3231	SY CRB		-29 36 53 56		-0.033	3.650		3.470	1	2.780	1	B2.5V		183649		
3232	40 TAU LIB		-19 08 19.16		-0:080	5.38	2	6.24	2	6.78	2	GBIII		159411	٧?	
3233	41 LIB 54 PHI BOO		+40 30 55.00		+0.059	5.24	2	6.12	2	6.65	2	GBIII-IV		45643		1
3234 3235	54 PHI BOO 3 PSI- 1 LUP		-34 15 00 • 34		-0.004	4.67	2	5.67	2	6.40	2	GG8		206843		1
3236	RW CRB		+29 47 01.02		-0.005	10.1	7				1	F8	6	83931	٧	1
3237	42 LIB		-23 39 25 48		-0.018	4.96	2	6.29	2	7.80	2	GK4		183686		1
3238	7 ZET- 1 CRB		+36 47 52.71		-0.016	6.00	1	5.880	1		1	B6V	1	64833	. D	44
3239	7 ZET- 2 CKB		+36 47 49.58		-0.009	5.07	1	4.950	1 1			B7V		64834	D	5(
3246	G LUP		-44 29 50.11		-0.263	4.640	1	5.040	1	5.020		F5IV-V	1	226064	1	
3241	19 TAU- 6 SCP		+16 11 05.00		-0.017	6.01	2	6.91	2	7,52	2	GSIII		101678		1
3242	SW CRB		+38 52 41 93	+0.0012	+0.002	7.6	6	1	1 :	1		K5	6	64844	V	
3243	43 KAP LIB		-19 31 05.62		-0.107	4.72	2	6.30	2	8.24	2	KSIII		159442	V?	1
3244	VY DRA		+64 49 19 18		+0.011	7.30	4					K2	4	16806	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1
3245	21 10T SCP	15 39 19.178	+19 49 48 61		-0.049	4 • 53	2	4.58	2	4.60	2	A1V	1.	101682	D	
3246	-H LUP		-37 15 57 64		-0.021	5.31			1.		-	GKO		206887	1	
3247	20 CHI SCP	15 39 26.101	+13 00 23.76	. 1	7 -0.015	5.33	2	5.37	2	5.42	12	AP	1	101683	V	1
3248	4 PSI- 2 LUP		-34 33 05.21		7 -0.032	4.750		4.610	1	4.070	1	86V		206889		1
3249	RR CRB		+38 43 01.03		-0.035	7.2	4		1	j	1	MB	4	64848	V	
3250	22 TAU- 7 SCP	1 15 30 39.577	7 +18 37 19.54	1-0-0051	L +0.050	5.72	1	1	1	1	1	I A2	1	101686	1	1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY PIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	И		B N	UV MAG.	U- N	SPECTRAL CLASS	S N	SAT .NO.	STAP PROP.	1
3251	HH NoR	15 39 46.615	-51 41 18.74	+0.0002	-0.023	9.5	6					FO	6	242878	να	
3252	T NUR	15 40 11.707	-54 49 44.79	-0.0010	-0.023	6.3	4					M45	la .	242884	V	1
3253	FO LUP	15 40 18.176	-37 00 42.72	+0.0021	-0.036	8.5	6					MB	6	206905	V	1
3254	& GAM CRB		+26 27 10 - 37	-0.0079	+0.043	3.850	1	3.840	1	3.800	1	AOIV		83958	ņν	1
3255	44 ETA LIB	15 41 15.348	-15 30 53.77	-0.0025	-0.067	5.41	5	5.64	2		1	A5M	i	159466		1
325 ₀	BP BOO		+52 31 04.72	-0.0075		5.39		5.330	7		j	ADP	6	29628	- v	
3257	23 PSI SUP		+02 40 26 89	-0.0055	-0.153	5.74				100	ŀ	DG5		121152	D	1
3256	24 ALP SCP		+06 34 53.93	+0.0091		2.640	1	3.810	1	5.060	1	K2III		121157	ก	
3259	9 PI CRB		+32 40 21.41	-0.0027		5.43					1	GG9		64870		
3260	IN NOR		-51 44 36 80	+0.0010			6				1	The second second	l	242941	V ·	1
3261	26 TAU- 8 SCP		+17 25 12.68	-0.0019		5.91		5.910				AOV	l	101712	1	
3262	RX LuP	15 42 55.581		-0.0007	-0.010	10.0	6				l		1	226172	V	1
3263	25 A- 2 SCP	15 43 30.243	-01 38 56 29	-0.0020	-0.040	5.39	2	5.36	2	4.96	2	88	1	140740		1
3204	28 BLT SCP		+15 34 37.42	+0.0047	-0.049	3.670	1	3.730	1	3.810	1	AZIV		101725	D	1
3265	≥7 LAM SCP		+07 30 30 70	-0.0151			2	5.03	2	5,13	2	GOV	1	121186	V?	
3266	EP TRA	15 44 56.831	-64 06 47.84	-0.0032	+0.060	9.0	6					AO	6	253304	V	1
3267	31 UPS SCP	15 44 57.841	+14 16 05.56	-0.0042	+0.036	5.70		5.790			١.	A2V		101739		
3208	IR NoR		-43 56 30.50	-0.0003	-0.013	9.5	6					A3	6	226234	٧	1
3269	16 ZET UMI		+77 56 57 09	+0.0045		4.32	2	4.36	2	4.41	2	A3V	Į	8328	Λ.5	1
327u	30 SCP		-03 39 59.75	-0.0024	+0.006		2	5.65	2	5.76	2	A M	1	140775		1
3271	35 KAP SCP	15 40 29.216	+18 17 41.17	-0.0035	-0.091	4.09	2	5.71	2	7.66	2	GM1		101752		
3272	R CRB	15 46 30 695	+28 18 32 - 24	-0.0003	-0.017	5.8	11.				l	F PEP	i	A4015	٧	
3273	32 Mu SCP		-03 16 42.95	-0.0060	-0.028	3.530	1	3.490	1	3.390	1	AOV		140787		1
3274	10 DEL CHB	15 47 29.715	+26 13 12.87	-0.0058	-0.070	4 • 63	2	5.43	2	5.80	2	G5III-IV		R4019		1
3275	V CHB		+39 43 22.73	+0.0018	-0.002	6.9	4			31 to 10 to	Ĭ.	N3E	4	64929	V	1
3276	54 OME SCP		+02 20 51.72	+0.0019	-0.053	5.23	2	6.25	2	7.07	2	GSIII		121215		
3277	5 CHI LUP		-33 28 35.36	-0.0007		3.950	1	3.910	1	3,770	1	AP	1	207040		1
3278	1 -B 5c0		-25 36 02-98	-0.0013	-0.027	4 • 680	1	4.620	1	3.890	1	B2.5VN	1	183854		- [-
3279	37 EPS SCP		+04 37 36 85	+0.0084		3.700		3.860		3.950	1	AM		121218		ı
3280	R SCP		+15 17 02.69	-0.0004		5.6						GM7E		101771	DV	
3281	36 -B SCP		-02 56 25.99	-0.0060	-0.029	5.11	2	5.23	2	5.30	2	A2		140801		-
3282	38 RHO SCP		+21 07 37.15	-0.0038			2	6.32	2	8.20	2	K5III	1	84037		1
3283	ST HER		+48 37 59 07	+0.0002		6.8	4		1		ľ	MC	4	45758	V	1
3284	11 KAP CRB		+35 48 41.15	-0.0010			2	5.82	2	6.69	2	KOITI-IV	ľ	64948		1
3285	45 LAM LIB		-20 01 08.70	-0.0008			2	5.02	2		l	B3V		183895		
3280	KAP TRA		-68 27 23 27	-0.0009		5.09		6.22	2	7.15	2	CG6	1	253342		1
3287	2 A 5c0		-25 10 45.87	-0.0011		4.590		4.530		3.860		B2.5VN		183896	י פין	1.
3268	BET TRA		-63 16 42.59	-0.0278		2.850		3.140	1	3,190	1	F2IV	1	253346		1.
3289	R LIB		-16 05 19.49	-0.0021		9.5	4		l -		1			159561	V	1
3290	39 SĈP		+13 21 07-17	-0.0104			2	6.70	2	6.70	2	G2V	i	101792		
3291	I CHI HER		+42 35 25.78	+0.0396			2		2		2	F9V	1	45772		1
3292	46 THE LIB		-16 35 02.80	+0.0068		4.16	2		2	5.99	2	KOIII-IV	1	159563		
3293	3 Sc0		-25 05 49.31	-0.0009		5.88		5.820		l		B7IV?	1	183914	ŀ	
3294	47 LIB		-19 14 12.69	-0.0012		5.93	2	5.91	2	ŀ		B5V?	1	159572	D	1
3295	40 SCP		+08 43 34 59	-0.0001			ž		2	6.56	2	A2]	121254		1
3296	4 Sc0		-26 07 12.41	-0.0033		5.61	10			1		A3	1	183931	1	1
3297	2 HER		+43 16 59.72	-0.0034			2	7.02	2	8.99	2	SGM3	1	45788		1
3298	XI - 1 LUP		-33 49 17.51	+0.0015		5.177	2	5.267	2	5.347		AI		207144	D	1
	1												i .	207145	Ō	1
														183957	D	1
3299 3300	XI - 2 LUP 5 RHO SCO		-33 49 10 · 11 -29 04 10 · 42	+0.0016 -0.0006		5.538 3.860		5.628 3.660		5.708 2.840		A0 B2V				

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCEMSION (1950.0)

NUMBER	STAR EESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F	P N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N		U N	SPECTRAL CLASS	5 N	SAO CAT.NO.	STAR PROP.	1
		15 53 49.450	+42 42 38.23		-0.0027	+0.013	5.58		5,460				В8		45790		-
3301		15 53 58 374			+0.0029		5.45	2	5.78	2	5.81	2	F2		54974	ļ	1
3302		15 54 08.455			+0.0212		3.860	1	4.340	1	4.310	1	F6IV-V		101826		1
3303		15 54 56.014			-0.0084		5.54		6.680				K1IV		101834		-1
3304	PHI StP	15 55 23.102			-0.0010			2		2	4.61	2	вР		15º607	٧	
3305	48 FX LIB	15 55 30.926			-0.0058		4 • 15	2	5.38	2	6.66	2	KSIII		84098	. פ	-1
3306	13 EPS CRB				-0.0007		2.910		2.710		1.820	1	BIV		183987	ĐΛ3	
3307	6 PI SCO	15 55 49.301	175 13 05 22		+0.0014		6.94	4					G5	4	8376	Ì	
კპსგ	17 UMI	15 56 10.522			-0.0182		4.95		5.21	2	5.25	2	FOIV		29727	V	
3309	CL DRA		+54 53 25 23		-0.0054		8.3	6	3,2,2	- 1	3,120	-	М7	7	64995	V	
3516	RS CRB		+36 09 48 48				5 90	0 1	6.600				65		253377	TV	1
3311	S TRA	15 56 40.169	-63 38 10 05		-0.0001		3.410	,	3.190	,	2,350	,	B2V		207208	n.	
3312	ETA- 1 LUP	15 56 48.024	-38 15 19.98		-0.0019		7.69	4	3.170		2.000	-	**		207219	n	
3313	ETA- 2 LuP		-38 15 05 34		-0.0027		2.320		2.200	,	1.300	1	воу		184014		1
3514	7 DEL SCO		-22 28 51.37		-0.0007		2.0	1	2.00	-	1.500	-	PEC		84129	l v	
3315	т Сив	15 57 24.505	+26 03 39 04		-0.0005			2	6.00	2	6.02	2	FBV		159625		
3310	49 L ₁ B	15 57 30.952	-16 23 15.25		-0.0442		5.48	2	5.60	2	5.55	2	AO		140897		1
3317	50 LIB	15 58 05.433	-08 16 17 12		-0.0012		5.12	2	6.10	2	6.84	2	KOIII		101879		
3313	5 -R HER	15 58 59.371	+17 57 18 89		-0.0036		5.40	2	6.00	2	6.09	2	G2V		65024		- [
3319	15 RHO CAB	15 59 07.834	+33 27 12 17		-0.0159		8.5	4	0.00	-	0.03	-	02.		243278	D .	
3320	IOT- IC NOR		-57 38 13-89		-0.0171		4.98	2	4.91	2	4.71	2	ADII-III		84152	V?	1
3321	14 IOT CRB	15 59 26 313	+29 59 23 42		-0.0023		4.63	2	4.87	5	4.96	2	ASV		243279	ח	1
3322	IOT- LABNOR	15 59 27.038	-57 38 11 18		-0.0148		4.65	2	5.57	2	6.20	2	GG5		226466	1	1
3323	ETA NOR		-49 05 31.58		+0.0031		4.83	2	4.90	2	4.95	2	A3V		84155		
3324	44 PI SCP	16 00 08 407	+22 56 30.96		+0.0009		8.7	6	7.90	۱-	4.23	-	AO	6	243289	l v	-
3525	TV NuR	16 00 22.362	-51 24 27.35		-0.0008		4.030		4.550	ı,	4.650	4	FBIV-V		29765		
3326	13 THE DRA		+58 41 53.68		-0.0417		5.8	4	4.500	1	4.030	1	мс	4	45863	v	-
3327	X HER		+47 22 35 81		-0.0047		1	2	4.65	2	4.33	2	AP	. 7	45865		
3328	D UPS HER		+46 10 28 68		+0.0048		4.76	٢	4.65	-	4.55	-	G9111		121339	D	ŀ
3329	L 43 ScP		+05 07 23.03		-0.0029		6.01	7	1	1		İ	B5	6	226485	Ìν	ļ
კ330	Z NoR		-46 09 27 40		-0.0004		9•3	6				1	J 55		16931	V.	
3331	AG DRA		+66 56 24 86		-0.0040		9.4		4.64	٦	4.65	2	F51V+F51V		159665	וס	1
3332	XI - 1 Sc0		-11 14 12 28	L	-0.0043		4 • 17	2	4.04	2	4.03	٦	DG7		159666	Ď	Ī
კ 33კ	X1 - 2 Sc0	16 01 37.342	-11 14 08.07		-0.0047		7.2	١.	2	1.	1.774	١,	B0.5V		159682	DV2	1
3334	B BET- 1 Sco	16 02 31.507	-19 40 12.45		-0.0004		2.714		2.628 4.978		4.064		BSA	ļ.	159683	DV?	1
3335	BET- 2 Sc0	16 02 31.857	-19 40 00 07		-0.0014		5.004		4.9/8	1.	4.004	1	N2E	_	29781	l v	- [
3336	RR HER		+50 38 03.27		-0.0004		8.8	6	0 -0	7			F5	6	253430	ľ	-
3337	U TRA		-62 46 36 64		+0.0045		8.0	4	8.39			_	AM	j . •	226500	1 7	
3338	DEL NOR	16 02 56.883	-45 02 21.78		+0.0002		4.72	5	4.95	2	5.10	12			207332		Ì
3339	THE LUP	16 03 18.108	-36 40 04.52		-0.0016		4.230		4.050		3.370		B2VN		184123		- [
3340	9 OME- 1 5CO	16 03 52.659	-20 32 07.11			-0.024	3.955		3.912	11	3.092	1	PIV	4	101927	V	
3341	R HER	16 03 57.571	+18 30 14.37			-0.013	8.0	4					M6E	۱ 4	184135	V2	-
3342	10 OME- 2 500		-20 44 06.53	1		-0.041	4 • 33	2	5.17	2	5.68	2	GG2		159715	ا م	ļ
3343	11 Sc0		-12 36 44.95	1		-0.033	5 • 64	1					A0		8417	"	
3344	18 UMI		+76 55 40 90			+0.015	5.53	. j				1	A0	1			
3345	IUT- 2 NOR	16 05 11.054	-57 48 06.60	1.		-0.055	5.79	1			11 11 11	1	B9V		243368	עם	1
3346	V 856 Sc0	16 05 13.026	-38 57 38 55			-0.037	6.71	1		1			An	6	207368	1,10	. 1
3347	45 SCP		+10 01 27.17			-0.011	5.63					1	A5		101939		
3348	SX HER		+25 02 28 14		-0.0007	-0.047	8.6	7		1		1	G3EP-K0	7	84204	V	
3349	46 SCP		+10 12 45.94	1	-0.0021	-0.029	6.67	4		1		1	A3	4	101947		
3350	7 KAP- 1 HER	1 ** **	+17 10 43.81		1-0.0022	-0.011	5.34	1		1	1	1	GBIII	1	101951	0	ı

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

		STAR	ESIGNATIONS AN	וט או	AR DATA	A ORDERE	נא ום ט	חטו	1 MOCE	131		,,,,,,	,				
		OF ACCEN	DECLINATION F		RA	DEC	VISUAL	νI	BLUE	в	IJV	U	SPECTRAL	5	SAn	STAP	G
	STAR	RT. ASCEN.	50.00		PM	Py	MAG.	N	MAG.	N	MAG.	N	CLASS	N	CAT.NO.	PROP.	N
NUMBEH	DESIGNATION	HR MN SEC	DEG VN SEC N	'	T"		. 1,,,,,,,								<u> </u>		├
	5 K 5 2 Us D	16 05 49.369	417 11 12-00	- n	.0022	-0.031	6.52	. 1	400				GK2		101952	ר	l
3351	7 KAP- 2 HER	16 05 47.307	+08 39 57 • 00			-0.012	5.69						GM3		121383	٧ž	ł
3352	47 ScP	16 06 19.661	100 37 37 00		0.0001		10.0	7					MP,	6	226545	٧	
3353	V NOR	16 06 19 661	+17 20 13.86		0.0015		6.02	· 1	6.020				ANV		101962		1
3354	B HER				.0047		4.76	2	5.77	2	6.64	2	KOITI	1	65108	DA5	1
3355	16 TAU CRB	16 07 08,471	+36 37 00 •60		0.0028		4.27	2	4.20	2		2	AP	1	45911	Ċ	1
3356	11 PHI HER	16 07 11.504	1445 03 54 20		0.0114		6 54	4		-			KO	4	45933		!
3357	14 HER		+43 57 02.50		0008		4.00	2	4.05	2	3.43	2	AOIV	i	159763	ח	1
3358	14 NU - 1 SCO	16 09 03.949	-19 19 17 45 L		0.0008		4.010		4.040		3.400	ī	B2IV-V		159764	י ת	1
3359	14 NU - 2 5CO	16 09 05.091	-19 19 56 20 L		0.0023		5.69	2	5.71	2		l I	B9V		184217	DA5	1
3366	12 -C- 1 5C0	16 09 10 231	-28 17 20 33		0.0003		5.92	-	5.940				ADV	1	101994		
3361	-Q HER	16 09 12 784	+16 47 37 67		0.0009		4.590	,	4.430		3.690	1	B2.5VN		194221		1
3362	13 -C- 2 5CO	16 09 13 074	-27 47 53.94		0.0006		4.93	2	5.02	2		2	AZV		141022	· ·	
3363	15 PSI SCU		-09 56 10 17		0.0118		5.81	2	6.15	2		ļ .	F2IV		243449		
3364	ZET NCR	16 09 22.975	-55 24 47.66		0.0026		5.49	-	3.1.3				A3	١	141024	1	1
3365	16 SCO	16 09 24.502	-08 25 11.52		0.0022		5.96					1.	GM4		84240	V	1
3366	10 LO HER		+23 37 22 22		0.0002		5.96						GAIII		243454	יתי	1
3367	KAP NOR	16 09 31 393	-54 30 11.60				8.5	6		1			A2	6	184232	V	1
3368	V 718 Sc0		-22 21 28 89		0.0011		8.8	6					MB	6	159785	V .	1
3369	BR Sco	16 10 26.866	-10 12 40 -51		0.0019		5.48	٥				,	GK5	1	121431	1	
3370	9 H <u>-</u> R	16 10 46.847	+05 08 50 90		0.0028		3.850		4,960		5,830	١, ا	6211	1	253474	ר	1
3371	DEL TRA	16 10 52.116	-63 33 37 10		0.0015		6.84	4	4.900	*	1.000	1	KO	4	102018	ם ו	14
3372	49 ScP	16 10 58.381	+13 39 35 • 12		0.0122		5.50	1 "		1	1		KSIIT	1 "	159793		1
3373	17 CHI 500	16 11 04.686	-11 42 41.93		0.0009		5.36				1		88	1	226600		1
3374	THE NOR	16 11 36 960	-47 14 47.68		0.0031		2.750	١, ١	4.340	1	6.300	١,	MITIT	1	141052		
3375	1 DEL OPH	16 11 43.325	-03 34 01.41		0.0032		5.48	1	5.330		5.51.0	1	R8		8446		
ა37ხ	16 NWI	16 12 13.173	+76 00 15.27		0.0019		1	4	3.300			1	Kn	4	121451	į	
3377	12 HER	16 12 16.843	+07 58 59 09		0.0011		6.84	2	6.36	2	8.04	2	MAIII	1	257340	D	1
3370	DEL- 1 APS	16 12 48.049	-78 34 25 65		0.0017		4.67	6	0.30	16	0.04	-	DF6+DG1	1	65165	DV?	5
3379	17 SIG CRB	16 12 48.252	+33 59 02-61		0.0221		5.367	2	6.14	2	6.31	2	DG1	i i	141066	DV3	1
3380	18 SCO	16 12 53.968	-08 14 19 23		0.0154		5.49		6.68	2	8.30	2	K5111?		257391	D	1
3381	DEL- 2 APS	16 12 54.659	-78 32 44 26		0.0004		5.27	2	0.00	14	0.00	1	GK3	1	102040	"	1
3382	In HER	16 13 15.577	+18 55 59.34		0.0046		5.72	١,	5.79	2	2.30	2	FBIAB		226619		
3383	GAM- 1 NOR		-49 56 42.44		0.0003		4.99	2	5./5	15	6.30	٦	LOTH.	1	65175	l v	1
3384	SX CRB		+33 27 13.81		0.0014		8.8	6		1		1	ко	4	102046		-
3385	15 HER		+11 32 52.74		0.0030		7 50	4		1			GK3	1	8452		1
3386	20 UMI		+75 20 06.82		0.0123		6.35	ء ا		1		1	AO	6	141070	V .	1
3387	SW OPH		-06 51 19.65		0.0014		9.0	6		1		1	KO KO	1 4	84274		1
3386	17 HER		+23 14 44.81		0.0010		6.59	4	7 000	1	1	1	GGO	-	243586	V	1
3389	S NOR		-57 46 42.59		0.0007		6.10	[_:	7.000		5.95	2	A3V	1	84281	0	1
339u	18 UPS CRB		1 +29 16 21 84		0.0013		5.78	5	5.85	2	4.78	2	AOV		184301	"	1
3391	-t: Sc0	16 15 11.495	-28 29 29.28		0.0022		4.77	2					69111	1	141086		1
3392	2 EPS OPH	16 15 40.348	-04 34 19.57		0.0054	_	3.230		4.210		4.960	1*	ASVN		226650	D	1.
3393	LAM NOR	16 15 48.406	-42 33 12.05		0.0014		5.45	5	5.55	2	6 27	12	GBIII	1	243643	lő	1
3394	GAM- 2 NOR	16 16 05.341	-50 02 05.68		0.0162		4.02	2	5.10	2	6.27	2	G5	4	84295	1	1
3395	19 HER	16 16 19.169	+26 01 02.13		0.0006		6.63	4		1			GM4	1 "	29874	V	1
3396	AT DRA	16 16 24.952	+59 52 32.55		0.0001		5.51	١.			6 070	1.	ASIIT	1	184329	'	1
3397	19 0MI 500		-24 03 02-03		0.0002		4.570		5.410		6.070			ľ	184336	DV	
3398	20 SIG SCO		7 -25 28 28 14		0.0007		2.880		3.010		2.320		BIIII		46028	DV2	
3399	22 TAU HER		+46 25 53.60			+0.037	3.900	וי וי	3.750	11	3.180	1	BSIV	1	8470	1	1
3400	21 ETA UMI	1 -	+75 52 16 64	-	0.0232	+0.250	4.97	1		l		1	DAB	1	""	1	1
1 3,20				- 1	1.0				<u> </u>		<u></u>	1		<u> </u>			

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (19=0.0)

		STAR .	ESIGNATIONS AND	DIAK DA	(A O () - ()			<u> </u>	<u> </u>		- 1		1			1 - 1	
			<u> </u>		DCC	VISU·L	v	BLUE	в	ijV	U	SPECTRAL	5	SAG	STAR	G	
	STAR	RT. ASCEN.	LECLINATION P	RA	DEC	1	. 1		N		N	CLASS	N	CAT . MO.	PPOP.	N	
		HR MN SEC	DEG MN SEC N	PM	PM	MAG.	N	MAG.	١,				ļ				
NUMBER	JE SIGNATION	AR HIN SEC	D	 				F	^	5.18	2	FOV	ĺ	121540		1 [
-		16 19 32.244	+01 08 42.37	-0.0105	+0.049	1 1	2	5.16	2			APILI	1	102107	יארי		
3401	5t 516 SCP	16 19 42.737		-0.0033		3.760	1	4.030	1	4.220	1		1	65254	l	l i	
3402	20 GAM HER	16 19 42.737	71 00 35 01	-0.0076		4 • 85	2	5.82	2	6.62	2	KOIII		65257	1	1 1	
3403	19 XI CKB	16 20 08.817	+31 00 23.01	+0.0003	-0.040	5.32						GWS -	1		1	1 1	
3404	20 NU - 1 CRB	16 20 28.36/	+33 54 56 • 32	0.0000	+0.056	5.32	1	·			l I	KSIII	1	65259	l n	76	
3405	21 NU - 2 CKB	16 20 36.066	+33 49 07.65			6.12		6.180		} ·	1 1	A3V	1	65262	1	'h	í
3406	Z3 HER	16 21 01.191	+32 26 54.77		-0.010		6		1		1 1		1	65266	V	1 /	
	RY CRS	16 21 07.838	1+30 57 55.51	-0.0000	1+0.009	1	2	5.53	2	6.37	2	KOIII	4	150892		'	i
3407	4 PSI OPH	16 21 10.365	-19 55 19.12	-0.0020		1 1		3.30	-	0.0		AO	1 6	2602	٧	1 1	1
340 ₀		16 21 11-053	+86 19 22.57	-0.0103	+0.010	8.7	6					88	6	207641	V	1 '	i i
3409	W UMI	16 21 27 670	-34 46 45.73	+0.0016	-0.024	1	6		l_		١, ١	AO		12156A	1	1 '	1
3410	V 760 Sc0	16 21 21.010	+07 03 44.55		+0.014	5 85	5	5.84	2	5.85	2		i	184377	n	'	ı
3411	21 -0 HER	16 21 44.320	-23 20 48.42 L	-0.0007	-0.040	6 • 56				1		B3V		194391	n	110	ł
3412	RHU- 1 OPH	16 22 24.076	23 10 57 72		-0.020	5.788	2	6.008		5,458	12	B2V	-	194382	n	111	1.
5413	5 RHO- 2 OPH	16 22 34.893	-23 19 57.72	+0.0002		5.088	2	5.308	2	4.758	12	B3IV	١.		ח		
3414	5 RHO- 3 OPH	16 22 34.963	-23 20 01 41		-0.032		4	1	1		1	Α	4	184383		1	1
3415	Rho- 4 OPH	16 22 35.008	-23 17 30 47		+0.101		2	5.46	2	5.49	2	GOV	1.	253554	V.	ŀ	1
3416	ZET TRA	16 23 03.880	-69 58 28 74		-0.023	9.0	6		1		1	M3	6		ח ו	1	1
3417	BE HER	16 23 05.610	+29 21 51 11		-0.063	4.58	ĺž	4.57	2	4.53	2	AP		1n2153	1 '	-	
3416	24 OME HER	16 23 06.363	+14 08 49•24			5.30	-					DF4	i	253555	ח	1	1
3419	IOT TRA	16 23 17.563	1-63 56 48.61	+0.008	+0.025	2.740	١.	3.650	1	4.350	1	GRIII	1	17074	באט	1	
3420	14 ETA DRA	16 25 18.476	1+61 37 37 10	-0.003	+0.059	7.218		7.148		6.618		Α		226772	n	10=	
	EPS- 1 NOR	1 16 23 29.386	6 -47 26 12 79	-0.002	7 -0.021	7.210	15			3.960		B3?V		226773	ם ן:	106	1
3421	EPS- 2 NoR	16 23 30 537	7 -47 26 34 34		-0.030	4.560	~	1 4.4.70	[13.70	-	GM7F	1	102160	· V	1	
3422	U HER	16 23 34.862	2 +19 00 18 01		5 -0.006	6.7	1	1	1		1	A3	- [6529n		1	1
3423			+37 30 24 63		2 -0.012	5.48	1	1			1	N3E	l u	159916	V		1
3424	25 HER V OPH		7 -12 18 54.74	+0.000	5 -0.012	6.9	14	1,	٦	7 05	2	BSVE		159918		-	Ť
3425		16 24 07.286	-18 20 40 22	-0.000	3 -0.029	4 • 43	2	4.71	2	3.95	2	AM		141187	l n	. 1	1
3426	1	16 25 05.72	-08 15 40.86	-0.005	2 +0 • 0 0 7		2		2	4.85		Koïv	1 .	257407	. 1	1	
3427	3 UPS OPH	16 25 00 78	2 -78 47 20.30	-0.040	4 -0.069	3.880					. -	MIIB	ı	184415		-1	1
3426	GAM APS		6 -26 19 21 95		5 -0.023	0.910							-	#61n8		1	1
3429	21 ALP 500		2 +41 59 26 71	+0.002	1 -0.003	5.01	2	6.53	2	7.70	2	M6III		184429	1 -	1	
3430	3U -G HER	16 26 59.04	25 00 20 144	-0.000	5 -0.024	4.790	1	4.720	1 1	3.930	11	B2V	1	84411		j	1
3451	22 -I SCO	16 27 09.89	9 -25 00 24 44	-0.007	1 -0.017	2.770) 1	3.710	0 1	4.40		GSIII	. 1		•	1	1
3432	27 BET HER		5 +21 35 50 16	-0.005	8 +0.034		2		2	4.84	2	69IV		17107		1	
3433	15 A DRA	16 28 04.16	4 +68 52 34 82		8 -0.017				0 1			BSIV	1	207732		1	1
3434	N ScO	16 28 06.54	6 -34 35 50 07	-0.000	7 -0.038				2	5.90	2	GBIII		159963			
3435	ੲPHI OPH	16 28 16.37	9 -16 30 19.16		6 -0.065		- [-	1				GRIIP		84416			
3436	-s HER	16 28 23.21	9 +20 35 14-15		0 -0.075		1 1	3.84	0 1	3.86	0 1	A1V	ŀ	121658		1	1
3437	10 LAM OPH	1 16 28 23.34	1 +02 05 31.06			1	1				1	AO		46128			
3438	34 HEF	16 28 43 47	5 +49 04 08 18	-0.000	6 -0.064		2	4.56	12	4.69	2	AP		184450		1	1
3439		1 16 29 10.06	2 -21 21 39.92		9 +0 • 034	100	4		"		ı	AO		ų 65360		1	
3440		16 29 37.87	6 +33 37 10 59		4 -0.020		1	5.47	ا ۱			B8		121676			
3441	1 77	16 30 07.90	6 +05 37 34 43		1 -0.003		16	1	٦			1		65366	5 V	- 1	
		16 30 12.55	3 +38 57 48 65	+0+000	8 -0.002	8.3	2		12	8.16	12	K4III	i	102234	 	. [
3442		0 16 30 15.76	4 +11 35 38•4/	-0.012	1 -0.080	4 • 85	16	4.97			-	BOIA	- 1	226900)		1
3443		16 30 31.33	5 -43 56 28 69		9 -0.00		١.	1	-	7.18	2			253614	.	- 1	1
3444			0 -65 23 32.26		7 -0 - 04				1	- 1	12	1007	- 1	159981			1
3445		16 31 22 38	8 -17 03 26.57	-0.000	7 -0.00	8.3	. 4	' I				AZ		6 65379			
3446			0 +38 10 30.58	-0.00	4 -0 -01		16	1	1		-1	F0		4 65380			-
3447			8 +30 36 09.90	-0.00				+ _			٦		.	4616	1	ļ	- 1
3448		~~	4 +42 32 21.08		13 +0.04	4 4 • 20		4.19	1 1	4.09	2		.	4 1713		- 1	-1
3449			1 146 61 20-55	-0.00	50 -0.04	5 6.4	- 10	+		.	ļ	M6E	- 1	4 1.20		1	⅃
3450	il R DR	A 16 32 31.20	1 +66 51 28.55		1 77		L	_1	ㅗ								_

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

TAU TZ H W TY OU TX ZET Y V 600 V 349 R BET ETA	ORORHRRAHRRAAAASAR CHCHPLERAHRRAAAASAR SHSHOHHDOHHADDAATH	HR MN 16 32 16 32 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33	45.906 49.873 04.723 26.023 6.43.676 6.52.782 12.172 17.446 124.137 4.25.719 4.40.575 5.50.278 5.50.278 5.50.278 5.50.278 5.50.278 5.50.278 5.50.278 5.50.278 5.50.278	+38 05 -35 09 +37 26 -02 13 +13 24 +38 04 +60 34 -10 28 +07 134 -60 51 +52 59	5EC 50.56 52.93 16.05 48.02 47.59 04.89 09.68 02.81 26.72 30.42 46.86		-0.0006 -0.0002 +0.0018 -0.0025 +0.0303 -0.0032 -0.0024 -0.0076 -0.0008	+0.003 -0.315 +0.008 -0.020 +0.018 +0.023	2.810 8.1 4.16 7.4 5.74 8.4	N 1 6 2 4 2 6 6 4	2.560 5.73 6.55	N	1.550 7.67	- 1	CLASS ROV F5 GK4 M3F KDV	5 4	CAT-40. 184481 65401 207814 65409 141269 102266 65424	V V V V V	
TAU TZ H W TY OU TX ZET Y V 600 V 349 R BET ETA	ORORHRRAHRRAAAASAR CHCHPLERAHRRAAAASAR SHSHOHHDOHHADDAATH	16 32 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33	49.873 0.04.723 0.25.676 0.52.782 1.2.172 1.7.446 1.2.172 1	+38 05 -35 09 +37 26 -02 13 +13 24 +38 04 +60 34 -10 28 +07 134 -60 51 +52 59	52.93 16.05 48.02 10.02 47.59 04.89 09.68 02.81 26.72 30.42		-0.0002 +0.0018 -0.0025 +0.0303 -0.0032 -0.0024 -0.0076 +0.0008	-0.029 -0.002 +0.003 -0.315 +0.008 -0.020 +0.018 +0.023	8.1 4.16 7.4 5.74 8.4 8.5 6.8	6242664	5.73 6.55	2	7.67	2	F5 GKA M3E KOV	4	65401 207814 65409 141269 102266 65424	V V V	
TZ H W TY OU TX ZET Y V 6000 V 349 R BET ETA	RORTERATERAAAAAARRUUSHUUSHUUSHUUSHUUSHUUSHUUSHUUSHUUSHUU	16 32 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33	49.873 0.04.723 0.25.676 0.52.782 1.2.172 1.7.446 1.2.172 1	+38 05 -35 09 +37 26 -02 13 +13 24 +38 04 +60 34 -10 28 +07 134 -60 51 +52 59	52.93 16.05 48.02 10.02 47.59 04.89 09.68 02.81 26.72 30.42		+0.0018 -0.0025 +0.0303 -0.0032 -0.0024 -0.0076 +0.0008	-0.002 +0.003 -0.315 +0.008 -0.020 +0.018 +0.023	4.16 7.4 5.74 8.4 8.5 6.8	2 4 2 6 6 4	6.55	- 1			GK6 M3E KOV	4	207814 65409 141269 102266 65424	V V V	
H W TY OU TX ZET Y 600 V 349	ORHERAHERA A A ASAR SHOHLERD HADDRAPRE TH	16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33 16 33	04.723 26.023 5.43.676 5.52.782 1.17.172 1.17.446 1.24.137 1.25.719 1.40.575 1.50.278 5.02.648 5.34.799	-35 09 +37 26 -02 13 +13 24 +38 04 +60 34 -10 28 +07 12 +14 34 -60 51 +52 59	16.05 48.02 10.02 47.59 04.89 09.68 02.81 26.72 30.42		-0.0025 +0.0303 -0.0032 -0.0024 -0.0076 +0.0008	+0.003 -0.315 +0.008 -0.020 +0.018 +0.023	7.4 5.74 8.4 8.5 6.8	4 2 6 6 4	6.55	- 1			M3E KOV		65409 141269 102266 65424	V V	
W TY OU TX ZET Y 600 V 349 R BET ETA	HOHLER AHRRAA AASAR HOHLER PERKARASAR HOHLER PERKAPAR HOLLER PERKAPAR HOLLER PERKAPAR	16 33 16 35 16 35 16 35 16 35 16 35 16 35 16 35 16 35 16 35 16 35 16 35	26.023 43.676 5.52.782 1.172 1.172 1.174 1.25.719 1.40.575 1.56.592 1.56.592 1.56.592 1.56.592 1.56.592 1.56.592 1.56.592 1.56.592 1.56.592 1.56.592 1.56.592 1.56.592 1.56.592	+37 26 -02 13 +13 24 +38 04 +60 34 -10 28 +07 12 +14 34 -60 51 +52 59	48.02 10.02 47.59 04.89 09.68 02.81 26.72 30.42 46.86		+0.0303 -0.0032 -0.0024 -0.0076 +0.0008	+0.315 +0.008 -0.020 +0.018 +0.023	5.74 8.4 8.5 6.8	2 6 6 4		2	7.00	2	KOV		141269 102266 65424	V V	
TY OU TX ZET Y GUO V 349 R BET ETA	OPHREADER AAAASARR	16 33 16 35 16 35 16 35 16 35 16 35 16 35 16 35 16 35 16 35 16 35	3 43.676 5 52.782 5 12.172 1 17.446 1 24.137 1 25.719 1 4 40.575 4 56.592 5 02.648 5 04.799	-02 13 +13 24 +38 04 +60 34 -10 28 +07 12 +14 34 -60 51 +52 59	10.02 47.59 04.89 09.68 02.81 26.72 30.42 46.86		-0.0032 -0.0024 -0.0076 +0.0008	+0.008 -0.020 +0.018 +0.023	8•4 8•5 6•8	6 4		2	7.00	2		tı	1n2266 65424	V	
TY OU TX ZET Y GUO V 349 R BET ETA	HHERAHRRAAAASARR HERAHRRAAAASARR HERAHRRAAAASARR	16 33 16 34 16 34 16 34 16 34 16 34 16 33 16 33 16 33 16 3	5 52.782 12.172 17.446 24.137 25.719 40.575 40.575 50.278 502.648 534.799	+13 24 +38 04 +60 34 -10 28 +07 12 +14 34 -60 51 +52 59	47.59 04.89 09.68 02.81 26.72 30.42 46.86		-0.0024 -0.0076 +0.0008	+0.020 +0.018 +0.023	8•5 6•8	6					ME	tı	65424	V	
VU TX ZET Y 600 V 349 R BET ETA	HERAHRAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	16 34 16 34 16 34 16 34 16 34 16 34 16 34 16 3	12.172 17.446 24.137 25.719 40.575 56.592 00.278 502.646	+38 04 +60 34 -10 28 +07 12 +14 34 -60 51 +52 59	04.89 09.68 02.81 26.72 30.42 46.86		-0.0076 +0.0008	+0.018	6.8	4					ME	lı			
TX ZET Y V 600 V 349 R BET ETA	DRA OPHRERA HERA DRA APPA TRE HER	16 34 16 34 16 34 16 34 16 34 16 34 16 34 16 34	17.446 24.137 25.719 40.575 56.592 502.646 534.799	+60 34 -10 28 +07 12 +14 34 -60 51 +52 59	09.68 02.81 26.72 30.42 46.86		+0.0008	+0.023		٠.	_ 1	ı					17155	٧	1
ZET Y 600 V 349 R BET ETA	OPH HERA DRA DRA ARS TRA HER	16 34 16 36 16 36 16 36 16 36 16 36 16 36	24.137 25.719 40.575 456.592 500.278 502.648	-10 28 +07 12 +14 34 -60 51 +52 59	02.81 26.72 30.42 46.86				2.560			. 1	730		คร 09∙2∧	"	160006		
Y 600 V 349 R BET ETA	HER ARA DRA DRA ARS TRA HER	16 36 16 36 16 36 16 36 16 36 16 36 16 36	25.719 40.575 56.592 00.278 02.648	+07 12 +14 34 -60 51 +52 59	26.72 30.42 46.86		1 -0.0013				2.580	1	1.730	-	B9	1,	121728	v	1
V 600 V 349 R BET ETA	HER ARA DRA ARA APS TRA HER	16 30 16 31 16 31 16 3 16 3	56.592 5 00.278 5 02.648 5 34.799	-60 51 +52 59	46.86				6.9	4	4 - 4	- 1			90.5III	7	102273	v	1
V 349 R BET ETA	ARA DRA DRA ARA APS TRA HER	16 3! 16 3! 16 3! 16 3! 16 3!	00.278 02.648 34.799	+52 59	46.86		-0.0004		6.59	_				- 1	A3	6	253639	V	
R BET ETA	DRA DRA ARA APS TRA HER	16 3! 16 3! 16 3! 16 3! 16 3!	00.278 02.648 34.799	+52 59			+0.0012		8.7	6				- 1	AO	۱ °	30012	D.	1
R BET ETA	DRA ARA APS TRA HER	16 3 16 3 16 3	34.799	+53.01	59.51	1	-0.0017		5.65	- 1					AO+AO		30013	י מ	-
R BET ETA	ARA APS TRA HER	16 3 16 3	34.799	1,000	27.11	.	-0.0017		5.202			.			B9	4	244037	v	1
BET ETA	APS TRA HER	16 3		-56 53	45.99)	-0.0010		6.8	4	5.30	2	6.25	2	KOIII	1	257424	- G	ļ
	HER	16 3	53.074	77 25	00.28	1	-0.0859			2		2	5.41	2	B7IV	1	253649		1
		16 3	5 12.524	-68 11	57 • 64		+0.0006		5.91	2	5.44	ا ۱	2.71	-	GM2		46210	ח	-
	6-0	, LU -	7 23.247	+49 01	31.30	1	-0.0051		5.92	7			100		NO	7	207911	V	١
	Sco:	16 3	7 25 273	-32 17	01.11	: '	+0.0021		11.7	1					DA5	'	121774	ר	-[
-M- 1	HER	16 3	8 06.024	+04 18	11.75		-0.0003		6.86						An	1	121776	D	-1
-M- 2	HER	16 3	8 U9.580	+04 18	56.86)	-0.0002		5.73	,	10.270	7			G5	и	17176	nv .	١
WW	DKA	16 3	8 21.839	+60 47	49.66	9	+0.0009		9•3 5•04	"	10.210	l'			GBII	1	160046		1
1	SCO	16 3	8 40 639	1-17 38	49.50	?		-0.004	8.6	6					M5	6	184551	V	1
AX	Sco	16 3	8 43.893	i-27 of	37.01	.		+0.009	8.8	6		1			GO	6	121784	.V	1
V 502	OpH	16 3	8 47.782	+00 36	08.5	2	-0.0012	+0.051	5.77	١١١		1			DF2		121700	1	ŀ
•	0pH	16 3	9 10.361	+01 16	30 • / 5	1		+0.394	2.810	1	3.460	1	3,670	1	GOIV		65485	DV?	-
) ZLT	HER	16.3	9 23.988	1+31 41	1 32 • 11	ال		-0.045	5.90	-		1			DF2		94543	1	-1
•	H≝R	16 3	9 34.878	1 +2/ 00	1 43.00	2		-0.017	4.83						KIP		17188	1	
3 - 6	DRA	16 4	0 33.945	+64 4	1 00.90	7		-0.083	3.500	1	4,420	lı.	5.030	1	G7111-1V	1	65504	1	١
+ ETA	HER	16 4	1 10.77	+39 01	J 58 • / 1	7		+0.006	8.2	6		-			MA	6	46239	V	- 1
V 449	HER	16 4	1 16.46	+48 2	58.04	-		+0.005	6.9	6		1			мо	6	8598	V	١
AZ	DRA	16 4	1 30.88	1+/2 4	55.6	-		-0.021	6.89	4		1			F5	4	184607	1	
5	Орн	16 4	2 07 949	-25 0	33.0	41		-0.266	6.71	4					G5	4	121831		1
1	HER	16 4	2 33.71	1+06 1	0 3/•1	-		+0.011	5.96	l '	5.950			'	B9		121834		۱
6	Орн	16 4	2 57.08	1 60 5	6 10 0			-0.034	1.920	1	3.360		4.910	1	K4III		253700		
ALP	TRA	16 4	3 21.05 3 25.71	-00 5	0 73.0	2		+0.014	5.15	2	6.68	2	8.62	2	KSIII		121843		1
3 - I	HER	16	3 47.40	25 0	6.21.8	7		-0.016	6.57			1		1	GG6	ŀ	184630	1	. 1
5	Sco	16	4 38.33	102 2	0 21 5	<u>ا</u> ا		-0.014	5.98						A2		121859	ים ו	
9	0 _P H	16	5 18,56	105 0	U UE 0			-0.039	5.24	1	5.220	1	1	1	AP		121865	1_	
5 -L	HER	10	5 27.40	5 5 6	7 16.3	7		-0.031	3.760	1	5.330	1	7.250	1	KSIII	i	244168	D	
	ARA	10	5 27 40	5 442 1	9 37.1	ا ہ		-0.024	5.98	1	7.58	7		1	M4	1	46288	l v	
ETA		16	5 36 15	7 1-15	4 54.A	1			6.11	1	1					1.		V .	
ETA V 636		10	6 41 54	5 -24 3	3 16-2	71			7.02	4		1			A2	1 4		1/2	
ETA V 636 V1010		1 10	6 55 20	6 -34	2 15.5	6				1						1		1 42	
ETA V 636 V1010	- 5r'1)	10	7 03 26	7 -10 "	1 46-4	او			4.66	2	5.13	2	5.20	2				1	
ETA V 636 V1010 6 EPS			7 18 44	5 430 0	2 57.4	7			6.68	4			1		K2			.,	. :
ETA V 636 V1010 6 6 EPS	Орн	10	7 23 00	7 457 =	3 50.2	\mathbf{i}			7.5	6				1		_			
ETA V 636 V1010 6 6 EPS 0 8	OPH HER		17 46.94	6 446 0	4 10-0	6			4.82	2	4.91	2	4.93	2	A2P	7			
ETA V 636 V1010 6 EPS 0 8	OPH HER DRA		71. 70.627	U 1770 U	1000	¥			1 5 00	12	5.59	ÌЭ	1 E 70	13	I A M	. 1	1121095	1 45	- 7
-	V1010	V1010 OPH OPH EPS SCO OPH HER	V1010 OPH 16 4 OPH 16 4 EPS SCO 16 4 OPH 16 4 HER 16 4 AH DRA 16 4	V1010 OPH 16 46 36.15 OPH 16 46 41.56 EPS SCO 16 46 55.20 OPH 16 47 03.86 HER 16 47 18.43 AH DRA 16 47 23.99 HER 16 47 46.24	V1010 OPH 16 46 36.157 -15 3 OPH 16 46 41.565 -24 3 EPS SC0 16 46 55.206 -34 1 OPH 16 47 03.867 -10 4 HER 16 47 18.435 +30 0 DRA 16 47 23.997 +57 5 HER 16 47 46.246 +446	V1010	V1010 OPH 16 46 36.157 -15 34 54.81 OPH 16 46 41.565 -24 33 16.27 EPS SCO 16 46 55.206 -34 12 15.56 OPH 16 47 03.867 -10 41 46.42 HER 16 47 18.435 +30 02 57.47 AH DRA 16 47 23.997 +57 53 59.21 HER 16 47 46.246 +46 04 10.06	V1010 OPH 16 46 36.157 -15 34 54.81 +0.0007 OPH 16 46 41.565 -24 33 16.27 -0.0002 OPH 16 47 03.867 -10 41 46.42 +0.006 HER 16 47 18.435 +30 02 57.47 AH DRA 16 47 23.997 +57 53 59.21 +0.0014 HER 16 47 46.246 +46 04 10.66 +0.0014	V1010	V1010 OPH 16 46 36.157 -15 34 54.81 +0.0007 +0.028 6.11 OPH 16 46 41.565 -24 33 16.27 -0.0002 -0.016 7.02 PH 16 47 03.867 -10 41 46.42 +0.0063 -0.096 4.66 PH 16 47 18.435 +30 02 57.47 +0.0053 +0.076 6.68 PH 16 47 23.997 +57 53 59.21 +0.0017 -0.012 7.5 PH 16 47 46.246 +46 04 10.06 +0.0019 -0.057 4.82	V1010	V1010 OPH 16 46 36.157 -15 34 54.81	V1010 OPH 16 46 36.157 -15 34 54.81 OPH 16 46 41.565 -24 33 16.27 OPH 16 46 55.206 OPH 16 47 03.867 -10 41 46.42 OPH 16 47 18.435 OPH 16 48 18.435 OPH 18 18.435 OPH 18 18.435 OPH 18 18.435 OPH 18 18 18.435 OPH 18 18.435 OPH 18 18.435 OPH 18 18.435 OPH 18 18.435	V1010 OPH 16 46 36.157 -15 34 54.81 OPH 16 46 41.565 -24 33 16.27 OPH 16 46 55.206 OPH 16 47 03.867 -10 41 46.42 HER 16 47 18.435 33 0.2 57.47 OPH 16 47 23.997 +57 53 59.21 OPA HER 16 47 46.246 +46 04 10.06 HER 16 47	V1010 OPH 16 46 36.157 -15 34 54.81 OPH 16 46 41.565 -24 33 16.27 OPH 16 46 55.206 -34 12 15.56 OPH 16 47 03.867 -10 41 46.42 OPH 16 47 18.435 430 02 57.47 OPH 16 47 18.435 430 02 57.47 OPH 16 47 23.997 +57 53 59.21 OPA 16 47 46.246 +46 04 10.06 +0.0019 -0.057 4.82 2 4.91 2 4.93 2 4.93 2	V1010 OPH 16 46 36.157 -15 34 54.81	V1010 OPH 16 46 36-157 -15 34 54-81 OPH 16 46 41:565 -24 33 16-27 OPH 16 47 03-867 -10 41 46-42 HER 16 47 18-435 13 02 57-47 OPH 16 47 23-997 +57 53 59-21 HER 16 47 46-246 +46 04 10-06 PH 16	V1010 OPH 16 46 36-157 -15 34 54-81 OPH 16 46 41.565 -24 33 16-27 OPH 16 46 55-206 -34 12 15-56 OPH 16 47 03-867 -10 41 46-42 OPH 16 47 18-435 +30 02 57-47 HER 16 47 18-435 +53 02 57-47 OPH 16 47 23-997 +57 53 59-21 OPH 16 47 46-246 +46 04 10-06 OPH 16 47 46-246 +46 04 10-06 OPH 16 47 46-246 +46 04 10-06 OPH 16 47 46-246 +46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 47 46-246 -46 04 10-06 OPH 16 46 47 46-246 -46 04 10-06 OPH 16 46 47 46-246 -46 04 10-06 OPH 16 46 47 46-246 -46 04 10-06 OPH 16 46 47 46-246 -46 04 10-06 OPH 16 47 46-246 -	V1010 OPH 16 46 36.157 -15 34 54.81

JPL Technical Memorandum 33-758

TABLE 4 CONTINUES

STAR DESIGNATIONS AND STAR DATA ORDERED BY PIGHT ASCENSION (1950.0)

		STAR E	ESIGNATIONS A	י טאו	JIAN DIN			-		- 1		T	*- CCTD41	٦	SAC	STAP	6
			PECL THATTON	p.	RA	DEC	VISUAL	νŀ	BLUE	В	UV	U	SPECTRAL		CAT.NO.	PPOP.	•.
- 1	STAR	., ,	INCCCTIVATION !	' 1	PM	РМ	MAG.	N	MAG.	N	MAG.	N	CL155	Pi I	La Lancia	PP 0-	انا
NUMBER	DESIGNATION	HR MIN SEC	DEG MN SEC	N	PM .	7 1-1			<u></u>			-		1	2114229	V	
140.1DEIX	9				-0.0021	+0.041	9.1	6		- 1			FO	6		ηv	1 1
3501	V 610 ARA	16 47 58.531	-57 10 41-03		-0.0010		3.030	1 l	2.810	1	1.930	1	B1.5V		208102		1
3502	MU - 1 500	16 48 28.679	-37 57 48.92	'	-0.0010	0.022	5.66	- 1				1	GM1	1	R4641	_	1 1
		16 48 41.747	1+29 53 26+33		-0.0005	-0.002		2	5.56	2	5,59	2	AD	1	121911	יי	1 1
3503		16 48 52.612	+01 17 59.36		-0.0017	-0.006	5.51		3.360		2.520		BZIV	1	208116	ן חו	1 1
3504	21 OPH	16 48 56 599	-37 56 03.17		-0.0009	-0.025	1	1	3.300	1	2. 120		MEE	4	102434	V	1
3505	MU - 2 5CO	16 40 30.372	+15 01 27.77		+0.0003	-0.006	5.9	4					K211-111		84651	ì	1 1
3506	S HER	16 49 37 130	+24 44 21 -21	1. 1	+0.0009	+0.005	5.06			1			AP	1	102435		1 1
3507	51 HER	16 49 40 785	115 03 24.26		+0.0011	+0.002	6.38		6.330	1				1	227375	Vo	1 1
3508	45 HER	16 49 48 129	+15 03 24 - 26	1 1	+0.0003	-0.005	4.80	. 1	5.240	1		1	BILAE	1	2770	עמ	1 1
3509	ZLT- 1 SCO	16 50 27.727	-42 16 51 19	1	+0.0052	10.003	4.23	2	5.13	2	5.68	2	GSIII	ł		1	1 1
3510	22 EPS UMI	16 51 00.905	+82 07 21.53				3.590		4.950	1	6.560	1	K5III		227402	1	1 1
	ZET- 2 SCO	16 51 03.544	-42 16 39 85		-0.0113	-0.230	5.28	1 ^	1	-		1	DAB	i	65627	1	1 1
3511		1 14 51 04.150	1+31 46 59 65	1 1	-0.0075	-0.019		7			1	1	Gn	1 6	208174	У	1 1
3512		16 51 23-121	-36 48 28-55	1 1	-0.0018	-0.045	8.8		. 70	2	3.98	2	BAV		102458	٧?	1 1
3513	AK SCO	16 51 38 391	+10 14 46 44	1 1	-0.0036	-0.038	4 • 38	2	4.30	15	3.36	1-	KO	4	184786	1	
3514	25 IOT 0PH	10 01 00 050	-23 25 55.27		-0.0011	-0.031	7 • 04	4	1:	1		1	KZIII	1	141431		. []
3515	22 OPH	16 51 49.250	-06 04 25.31		-0.0025		5 . 35	1	1	1	1 .	1		4	227442	V .	1 /
3516	23 OPH	16 51 55 156	1 1 5 01 20 01		+0.0047		6.5	4	1	1		1.	M6E	7	208198	ν	1 1
3517	KS 5c0	16 51 59.822	-45 01 22.90			-0.011	16.	7		1		1	K2	1 :	184796	Ì v	1 1
3518	SS Sco	16 52 00.589	-32 33 03-43	1 1	-0.0000	-0.015	8.7	6		1.			144	6		l v	1 1
3519	5Y OPH	16 52 07.213	-21 53 24.55	1 1	-0.0000	-0.055	9.3	6	1		1	ŀ	1	1	102464	עפ	1 '
3520	TT HER	16 52 06 605	+16 55 01.80		+0.0007	1-0.035	9.1	6	10.7	17	11.76	7	K5P	6	141430		1 7
	V1054 OPH	1 16 52 48.459	9 -08 14 42•22	1 1	-0.0537	-0.875		17	1	1		1	MA	6	508500	V	1 '
3521	V 380 SUO	16. 52. 56. 860) 3 0 14 24•62	1 1	-0.0007	-0.041	9.5	1	7.00	2	7.62	2	GSIII	-	д4692	פן	1
3522	1 - D n	14 52 59.215	5 1+25 48 35•84	1 1		-0.022	6.08	2		2	1,.02	-	BOTAP?		227473	Į v	1 '
3523	V 861 SCO	16 53 06-85	7 -40 44 43.52	1 1		-0.010	6.11	5	6.38		8.42	2	KAITI	1	102476	1 0	1 '
3524	The second second	12 53 10 22	+18 30 42 58	1 1	-0.0078	+0.012	5.35	2		2	0.42	16	M6F	4	208221	V	1
3525	54 HER		7 -30 30 08 28	.1	+0.0007	-0.023	5.5	4		1	1	1	An	`	184822	ח	1 .
3526	KR SCO		3 -23 04 21.21	1 1	-0.0003	5 -0.001	5.60	1	1 _	1		1.			208232	1	1
3527	24 OPH		7 33 10 55 16	. I - I	-0.0006	-0.006	5.48	2		2			K5	-	244315	ł	
3528	5c0	16 53 55.20	3 -33 10 55 16		-0.0016	-n.035	3.130	1	4.740	1	6.680	ו נ	KSIII			עם	1
3529	ZET ARA	16 54 28 42	2 -55 54 48 63		-0.000	-0.024	6.7	4	7.46	7			F5	4		· l ''y	
3530	RV Sc0	16 55 03.27	1 -33 31 59.70	'		7 -0.007	7.1	6		1	1	1	Αn	6	30164		1
3531	AI D _K A	16 55 08.85	8 +52 46 31.7	-			3.200			1	5.52	1	KSIII	- 1	121962		1
3532	^	16 55 17.95	9 + 09 27 04 • 83			9 -0.010	6.55	1 1	1	1-	1	-1	GG5		A4720	1	- [
		16 55 27.72	7 +25 25 43+31	וו		2 +0.012		2	5.51	2	7.22	2	K3III	ľ	244331	1	-
3533			3 -53 05 09.0	7		8 +0.015	4.06			12	5.35		F6V	1	17291		ı
3534		16 55 44 80	6 +65 12 39.1	9 i	+0.037	1 +0.046		5	7 3.30	٦	1 3.33	"	FO		17285	DV?	
3535		^^	2 +65 06 53.8	9	-0.007	6 +0.031	6.37	1		-		1	FU.	1	65681		1
3536	20 D _K A		0 135 67 30 0	A	-0.002	6 +0 • 0 0 4	9.3	[6	5			- 1	DE#	1	184897		1
3537	V H∈F	16 56 1/ 8/	8 +35 07 34 9	ŭ l	+0.004	5 -0.059	5.78	ſ		.		_ _	DF4	1	65716		1
3538	26 OP	1 16 57 05 49	7 -24 54 52 6	2	-0.00*	8 +0.028	3.92	0 1	3.91	0 1	3.80		AOV	- 1			
3539		16 58 22.47	1 +30 59 55.9			1 -0.076	1.7.1			12	8.11	. 2			141483		
3540		4 l 16 58 25•22	3 -04 08 57.1	2				- 1				1	GKO		160231		- 1
3541	100	1 16 58 55,51	2 -18 48 49 4	8	-0.002	8 -0.020		1	:			- 1	DF7	- 1	24438		-
	1 "	16 59 08.59	 6 -53 09 51•0	6		1 -0 - 143		- 1 -	6.34		90.0		AP		102536	עפ י	
3542			9 +15 01 16.2	9		2 -0.010							ASIII		65736		1.
3543			8 +33 38 22.0	9	-0.000	1 -0.001			5.27	۷1	1		B9	1 4	184982		1
3544		10 00 55 00	4 -25 37 42.7	5	-0.000	9 -0.026	6 • 69		+						184995		
3545	, 28 OPI	1 17 00 35.96	0 25 70 70 1	1		5 -0.078		14	+	- 1		- 1	A5	1.	65761		ı
3546		H 17 01 38.71	2 -25 34 32.4	5		4 -0.03	4	·			1	١	GM4	1			1
3547		R 17 01 42.39	7 +35 29 01.3	۲,		4 -0.004	1		7	- 1		-	B8		5 208404		
3548		n 17 02 56.05	50 -35 53 58.1	4					6 8.3	1.	7		F5V		1A5020	' i . '	-
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	u 17 02 59.29	941-26 30 49+3	0		0 +0.00			2 5.03	#2 I	2 5.09	12	VIEA		102581	מו	- {
3549	1 1 23	60 L	12 +12 48 29.0	8	+0.003	4 -0 • 01	4.91	· [['	_ 3.03		-			_L_			
3551) 60 HE		1	1.	1	1	1	- 1	I			_اننـ					

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUvBER	STAR ELSIGNATION	PT. ASCEN. HP MN SEC	DECLINATION P DEG MN SEC N	RA FM	DEC PM		N		N N	WAG.	N	SPECTRAL CLASS	И	5A1 C.T.40.	PPOP.	f.
		17 03 19.261	-46 56 13.24	+0.0006	-0.003	8.4	6		.			45	6.	227631	У	i
1991	V 616 ARA	17 03 19 251	+07 50 53.73 L	+0.0012		8.7	6					GN	f	122043	٠ - `	6.
3552	wZ OPH	17 04 17.357	+54 32 07.94	-0.0091		5.062	1		1			DF6+DF6		30239	l 'v	1 "
3553	≥1 PU DRA R OpH	17 04 17-55	-16 01 39.54	-0.0014		6.0	4					MSE	4	160200	, ,	1
3554	R OPHI -C H _E R	17 06 15,553	+35 59 56 +08 L	-0.0023		5.26	- 1				ŀ	AS	4	65812 94873		
3555	T	17 06 29.362	+24 33 01.37	-0.0003		1 ~ · · · ·	4				١	An EV	4	160332	A	
კაა	66 HLR 35 ETA ОРН	17 07 30.461	-15 59 52.89 L	+0.0026	+0.095	2.420		2.470	1	2.560	1,	A2.5V	- 6	208505	V	1
3557	AH SCO	17 08 01.980	-32 15 52 60	-0.0025		8 - 1	7		1			MU MCD	6	17364	l v	
კნნც	TV DRA	17 08 06.380	+64 22 52.50	+0.0016			6	~ - 0.0	١.	2 070	١.	FOIVN	"	227707		
კნნ9 კნნს	EIA SCO	17 08 34 015	-43 10 31 10	+0.0021		3.340		3.740		3.830		HEIII	l	17365	1	
3561	22 ZET DRA	17 08 38.146	+65 46 33.99		+0.021	3.170]	3,060	1	2,630	*	V-VIBA	7	84896	. V	
3565	63 HER	17 08 58.827	+24 17 51 07		+0.032	6.22		100	l.		1	KO V	6	102639	V	1
3563	V 463 HrR	17 09 19.135	+16 28 14.36		-0.011	8 • 4	6		1		١.	645	''	102646	n	1
3564	37 OPH	17 10 06.278	+10 38 39+50		-0.026	5.33	7					βά	٦	20855B	V	
3565	FV 5LO	17 10 28.991	-32 47 42 - 14		-0.033	7.9	3		1		1	FA	6	19266R	nν	1
3566	AK HER	17 11 43.180	+16 24 27-59		-0.046	8.8	6				1	M5	E	30298	v	1
3567	TT DA	17 12 02.692	[+57 55 11·17]		+0.009	9.2	6					MA	6	208593	V	
3568	V 727 Sc0	17 12 14.939	-33 02 56 - 39		-0.063	7.9	6	5.913	12	6.403	12	KOV		185198	- 0	1
3569	36 A- 1 OPH	17 12 16.173	-26 31 47.28		-1.132	5.053		5.953		6.443		K1V	ļ	195109	<u></u>	1
3570	50 A- 2 OPH	17 12 16.220	-26 31 52.28		-1.141	5.093		5.933	16	10.745	1-	MB	6	192678	V	1
3571	V 438 OPH	17 12 16.801	1+11 (17 31 - 89)		+0.011	9-1	6	4.510	1	5.520	h	MSII		1n26an	٦V	1
35/2	64 ALP- 1 HLR	17 12 21.948	+14 26 45 34		+0.034	3.060 5.39	١,	7.510	1	1.329	1	G=1112+F2	•	102641	ח	
35/3	64 ALP- 2 HER	17 12 22.274	+14 26 43.71		+0.043		6		l			MSF	7	65885	V .	
3574	UW HER	17 12 38.996	+36 25 26 73		0.009	3.130		3.210	١,	3.290	1	ASIV	1	84951	DA5	- 1
3575	65 DEL HER	17 12 58 555	+24 53 48.78		7 -0 • 157	3.160		4.600		6.260		KILI		65890	٧?	
3576	67 PI HER	17 13 18.212	+36 51 51 83		+0.003	5.7	1	5.780		17,00,70	1	B5V		122226	יחע	١
3577	HqO U gc	17 13 59.357	+01 15 53.07	-0.0002	0.012	4.72	2	5.87	2	6.98	2	KPITT		141536	Ü	- [
351b	41 OpH	17 14 02 - 523	-00 23 25 24	-0.0017	7 -0.067	6.90	ľ] 3.0	-	",	1	F6IV-V		185237	מ	-
3579	39 0MI- 1 0PH	17 14 57 - 384	-24 13 53.02		0.010 -0.010	5.39				1		KIIII	İ	185238	ת	1
35BU	140 S - 140 6F	17 14 57.520	-24 14 03.53		9 -0.005	4.78	5	4.63	12	3.87	2	BSIII	1	45913	ייי	- 1
3581	68 TU HER	17 15 28.599	+33 09 10 06		5 +0.014	6.3	1		1	1		GG9		17414	V	- 1
3582	VW DAA		+60 43 23.77		2 +0.062	4.66	2	4.71	2	4.68	2	AZV		65921	٧?	- 1
3583	by -E HER	17 15 56 691	+37 20 34.06		3 -0.092	5.03	2	6.58	12	8.48	2	K4II-III	1	102725	1	١
3584	-E OPH		+10 55 02-22		8 -0.015	5.41	2	5.37	2	5.14	2	BA	1	257491	DV?	-
5585	IOT ApS	17 16 30.47	70 04 26 01		5 +0.002	4.78	2	5.99	2	7.26	2	GK1		253882	1	- 1
ახმი	ZET APS	منفقة فيد شدا	67 43 16 64		3 -0.007	8.1	6	1		1	ļ	Λ5 :	6	46626	\ _V	- 1
3587	1X HER	17 17 01.644	2 +41 56 20 67		5 -0.209	4.38	2	4.79	2	4.73	2	F2V		1A5296	יי	- 1
კაცი	40 XI OPH		-21 03 39.72 5-12 47 52.08		9 +0 - 004	4.31	12	4.34	2	4.38	2	A1V	1	160479	Ο	- 1
5589	53 NU SCA		5 -67 52 52.53		1 -0.002		6		ı.			.]	1	253891	V	- 1
3590	U# ApS	the formula is the same of the	+32 31 51 06		0 -1.043		S	6.01	2	6.08	2		-	65963	נאט .	- 1
3591	72 -W HLR		3 +24 32 52.75		7 +0.001			4.900		<u> </u>	1	A1V		95021	l v	
3592	70 HER	17 18 56 15	7 -24 57 05.20		2 -0.021		1	3.030	0 1	2.180	1	BSIV		195320	١ ،	-1
3593	HE THE OPH		7 +46 17 20.52		5 +0.045	5.60		1_		1		3M0		46645 227880	v	1
3594	74 HER		2 -45 34 01.06	-0.000	4 -0.002		4		7			G5	4	227846	n	- {
3595	IUT ARA	1	4 -47 25 16.27	-0.000	8 -0.015		2		2	4.33	2	BINE	4		v	- [
3596			5 +22 58 06 93	-0.001	2 +0.003	7.5	- 4		1		1	M5F	1 "	195350		- [
3597			1 -28 05 46.83		4 -0.032			1			Ι.	GK5		244725		- 1
3590	ون الله الله الله الله الله الله الله الل		4 -55 29 06.10	-0.000	1 -0.024	2.84				5.84	11.	KSTP	1	244726		- 1
3 59 9		17 21 10.73	2 -56 19 58 85		3 -0.011		0 1	3.19	U 1	2.22	1	BIIII		L CHAILE	1 "	1

TABLE 4 CONTILUED.

STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (19 0.0)

Star Star				SIAN .	JESIGNATIONS AND	511111												f l
No	_	1			DECL TWATTON B	ρΛ	DEC	VISUAL	νŀ	BLUE E	5	IV.	u					:
Section Sect	1							1	ΝΙ	MAG. I	v I	MAG.	М	CLASS	*1	CYT.40.	PROP.	1 1
Journal of Street June 1	111	INDER .	LESIGNATION	HR MN SEC	DEG MN SEC 1	Per			_		-							77
Section 15 Reference 15 Refere	-			. 7 7. 67 051	137 11 20.80	-n.nn38	+0.003	5.498	5	5.498					1 1		1	7.0
3001 75 RMC 2 Ref. 17 22 00.938 -22 00 19.43				17 21 37 4034	137 11 26 94			4.548	2	4.548	2	4.498	2				`·	1 '"
36003 73				17 21 37.343	127 00 10-43			5.67	- 1		- 1	- :						1 1
3004				17 22 00.938	-50 35 20 35				2	6.29	2	1						1
3005 44 - 80 OPH 1 2 3 40.740 - 16 57 35.28		3604		17 22 03 703	20 33 24 33				2	4.44	2	4.56	2				1 *	1 1
Set Set				17 23 10.032	116 67 35.28					7.73	7	100	- 1		7		1	1 1
3607 49 516		7	And the second of the second o	17 23 40 749	-05 02 39-50			4.54	2	4.95	2							
360b		7		17 23 30.330	100 10 56-12			4.33	2	5.83	2		- 1		1		1 "	1
3609 45 -0 0ph 1/24 075 48 24 156 48 16 24 156 48 16 24 156 48 16 24 156 48 16 24 156 48 16 24 156 48 16 24 156 48 16 24 156 48 25 25 25 26 26 26 26 26			11.	17 24 01.673	20 "0 36.15			4.27	2	4.67	2	4.75	2	F5IV	1		1	1 1
361u		j609	1	17 24 09.518	29 49 23 20			1	. 1					SA	1			1 1
361, V 499 SCO 17 25 43.733 -60 38 40.90 -0.0065 -0.007 -0.0065 -0.007 -0.		361u		17 25 24,566	148 18 04 10				6		-				€.			1 1
Solid Soli		3611		17 25 45 613	1-32 57 54.90					3.510	1	3.100	1		ŀ		1,	1 1
3613 34 UPS				17 26 34 /33	37 15 20 57					2.450	1	1.640	1				.,	
3614 3615 ALP ARA 17 27 56.353 -9 50 16.60 3615 3616 3617 76 LAM HER 17 28 42.997 72 50 849.49 3616 3617 76 LAM HER 17 28 42.997 72 50 849.49 3616 3618 23 BET DAA 17 29 16.099 75 20 15.65 3618 3618 23 BET DAA 17 29 16.099 75 20 15.65 3619 3624 NV 11 5CO 17 30 12.626 -37 04 09.63 3622 V 7011 5CO 17 31 08.431 -32 28 17.53 3622 V 7011 5CO 17 31 08.431 -32 28 17.53 3623 24 NU - 1 DRA 17 31 11.293 +55 13 04.07 3624 3625 362 4 NU - 2 DIA 17 31 11.293 +55 13 04.07 3625 3623 362 3626 362 4 NU - 1 DRA 17 31 11.293 +55 13 04.07 3626 3622 V 7011 5CO 17 31 16.719 +55 12 22.81 3626 3622 V 7011 5CO 17 31 16.719 +55 12 22.81 3627 3628 3629 363 3628 363 363 3629 3640 3641 37 30 32.755 3630 3630 3630 3630 3630 3630 3630 36		1		1/2/21.602	-33 tu 10.01					1					5		-	1 1
3615				1/2/30.340	-49 50 19.60				i					. –	1		1	
361b 3617 76 LAM HER 17 28 42.947 +26 08 49.49 +0.0013 +0.019 4.41 2 5.85 2 7.53 2				17 27 30 333	-23 55 33.04			4.81	2						1			
3617				17 20 21 17 047	126 ng 49.49			4.41	2			7.53					1	1 1
3619 78 HER 17 29 51:024 +28 26 32:03				17 20 42 377	152 20 15.65			2.780	1		1	4.410	1				1 "	1 1
3619 362 362 362 362 362 362 362 362 362 362				17 29 10:000	1428 26 32.83			5 • 5 6					i.				.,	1 1
3621 3622 3623 3624 V 7U1 5C0 17 31 08.431 -32 28 17.53 3624 3623 3624 V 7U - 1 DRA 17 31 11.293 +55 13 04.07 3625 3624 V 7U - 2 DRA 17 31 16.719 +55 12 22.81 40.0163 +0.055 4.88 2 5.14 2 5.17 2 A V 40.0163 +0.055 4.88 2 5.15 2 5.10 2 A V 70.004 -0.012 4.88 2 5.15 2 5.10 2 A V 70.004 -0.013 30.450 70.004 -0.012 4.88 2 5.15 2 5.10 2 A V 70.004 -0.013 4.88 2 5.15 2 5.10 2 A V 70.004 -0.013 4.89 2 5.15 2 5.10 2 A V 70.004 -0.013 4.80 2 5.15 2 5.10 2 A V 70.004 -0.013 4.80 2 5.15 2 5.10 2 A V 70.004 -0.013 4.80 2 5.15 2 5.10 2 A V 70.004 -0.013 4.80 2 5.15 2 5.10 2 A V 70.004 -0.013 70.005 70.005 70.005 70.007 -0.003 70.007 -0.003 70.0004 -0.013 70.004 -0.013 70.005 70.007 -0.003 70.007 -0.003 70.0004 -0.013 70.004 -0.013 70.005 70.007 -0.003 70.007 -0.003 70.007 -0.003 70.007 -0.008 7				17 30 12.626	-37 n4 n9.63			1.630		1.410	1	0.520	1		_			1 1
3622				17 30 32.762	-57 06 50 86								1					
3623	1			17 31 08.431	-32 28 17.53	-0.0004	-0.012			1			_		l r.		1	1 !
25 NU - 2 DiA 17 31 16-719 +55 12 22-81 40.0165 +0.057 4.88 2				17 31 11.293	1+55 13 04.07												3	
3625				17 31 16.719	+55 12 22 81			1	2	5.15	2				1 -			
362b 516 ARA 17 31 55.972 -46 28 24.10			V 642 HER	17 31 26.526	6 + 14 52 33 • 14				١,				1		1 '			
3627 54				1 17 31 55.972	2 -46 28 24 10					4.5/	4	4.47	٢		4		ו רו	
3526 3629 3630 3631 353 55				1 17 32 03.755	5 +13 11 37 62	+0.0002	2 -0.031			4 . 3	,	7.05	2					1
3629				17 32 09.543	3 +68 10 01.19				[2	0.13	۴.	' • ' ' '	٦		6		ν	ļ '
363U			RV OPH	17 32 09.617	7 +07 16 46 54								1		`		n	1 '
3631 53 -F- 2 OpH 17 32 14.147 +09 37 08.37			-F- 1 OpH	17 32 13.616	5 +09 36 27 89				1	5.51	٥	5 52	2	A2		122526	D	
3632 52 OPH 17 32 30.696 +12 35 41.92 3633 55 ALP OPH 17 32 30.696 +12 35 41.92 3633 55 ALP OPH 17 32 30.696 +12 35 41.92 3633 5634 0 CONTROL 17 33 43.201 32 30.696 +12 35 41.92 4.29 2 5.38 2			53 -F- 2 OpH	17 32 14.14	7 +09 37 08 37				5	3.32	-	3.32				185526		
3633		3632	52 OPH	17 32 17.858	3 -22 00 42.88				١, ١	2.220	1	2.320	1	ASII	-	102932		1
3634		3633		17 32 36.696	5 +12 35 41.92									GKn		200019		ŀ
3635				17 33 06.01.	30 30 0/•3/					1]		1	A2V	7	,	V	1
3636			1	17 33 43.20	1 -25 02 22 52				1	2.270	1	2.490	1	FOIR			1	1
3637 V 535 ARA 17 33 58.967 -54 28 09.24				17 33 43.37	1 -42 50 05 15					1			1.		1 6		Į v	1
363b 29 DRA 17 34 03.293 +74 15 33.08 17 34 03.293 +74 15 33.08 17 34 28.238 +61 54 45.41 C 17.546 1					7 -54 28 00.24				2	5.45	2	1 1 1 1	1					1
3639 29 DRA 17 34 28.238 +61 54 45.41 C +0.0352 -0.510 5.23 2 5.84 2 5.94 2 61V follow 5641 55 XI 5CA 17 34 43.274 -15 22 07.81 5642 57 MU 0PH 17 35 07.500 -08 05 24.07 -0.0008 -0.0026 +0.0026 +0.0026 +0.0026 +0.0026 +0.0026 +0.0026 +0.0026 +0.003 5.57 5.42 5.42 5.660 2 5.42 5.660 2 5.42 5.660 2 5.660 2 5.17 2 5.13 2 645 72 60008 6000					3 474 15 33.08						1		1.		4		1	1
3641 36 XI SCA 17 34 43.274 -15 22 07.81				17 34 03.23	8 1-61 54 45.41 C				2				2					- 1
3642 57 MU OPH 17 35 07.500 -08 05 24.07 -0.0008 -0.025 4.63 2 4.74 2 4.56 2 4.56 3 3643 3644 79 HER 17 35 27.400 +24 20 18.08 +0.0026 +0.003 5.57 4.77 2 5.13 2 5.13 2 6.86 17 36 31.762 +4.63 2 4.56 2 4.5			1	17 34 43 27	4 -15 22 07.81			3.520	1								1 v	
3642 57 MO OPA 17 35 19.066 +48 36 50.00 +0.0026 +0.064 5.42 3644 79 HER 17 35 27.400 +24 20 18.08 -0.0009 +0.003 5.57 4.77 2 5.660 85264 85265				17 35 07.50	0 -08 05 24.07			4 • 63	2	4.74	2	4.56	2					.
3644 79 HER 17 35 27.400 +24 20 18.08 -0.0009 +0.003 5.57 2 5.660 2 5.13 2 DF4 228257 209105 V 13645 V 862 500 17 36 45.416 -32 10 28.69 +0.0008 -0.003 6.86					6 +48 36 50 00	+0.002	6 +0 • 064		1.	1			1				1	
3645 LAM ARA 17 36 31.762 -49 23 12.97 +0.0081 -0.175 4.77 2 3.17 2 B NE-BB 7 209105 V 1					0 +24 20 18.08	-0.000	9 +0.003	5.57				1			-			
7 862 SCO 17 36 45.416 -32 10 28.89 +0.0008 -0.003 6.86				17 36 31-76	2 -49 23 12.97	+0.008	1 -0.175		5	5.17	2	5.13	2		-		l v	137
. - 3040	.			17 36 45.41	6 -32 10 28 89	+0.000	8 -0.003	6 • 86	1.	1							1 '	1-0'
1 1607 1 TT SCOT 17 36 57.627 F41 35 16.551 170.0025 3.00 1 1 1 1 2 1 1 2 2 1 1 1 1 1 1 1 1 1 1				17 36 57.62	7 -41 36 16.56		3 -0.009		4				_		1 4		1	
7641 25 OMF DDA 17 37 14.348 +68 46 52.48 -0.0002 +0.322 4.80 2 3.22 1 7.22 1 7.22 1 7.22 1 7.22 1 7.22 1 7.22				17 37 14.34	8 +68 46 52 48			1			12	12.22	4		n		l v	
3646 BM SCO 17 37 42.757 -32 11 21.15 -0.0011 +0.001 7.0 4 6 185610 V				17 37 42.75	7 -32 11 21 15	-0.001	1 +0.001					1			1 6			
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3650		1 17 37 44.23	3 -27 22 13.89	-0.002	a -0 • 00a	8.3	10		1		t	, "ie	1 "			

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TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HE MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	И	BLUE MAG.	B	JV MAG.	U N	SPECTRAL CLASS	5 N	5A^ CAT.HO.	STAR PPOP.	
ახ51	υ5 IOT HER	17 38 03.064	+46 01 55.27	-0.0010	+0.004	3.800	1	3.620	1	2.930	1	B3V		46872	. 112	I
3652	V 6∠6 ARA	17 38 09.234		+0.0028		6.23		7.93	7	9.89	7	GM3	ľ	244954	٧.	1
3653	56 0M1 SCA		-12 51 01.01	-0.0050		4.24	2	4.32	2	4.43	2	A2V	ļ	160747	i .	1
3654	V PAV		-57 42 05.22	+0.0000		8.3	4		_		l	NB	4	244964	יער	Ţ
3655	V 703 SCO		-32 29 59 96	+0.0020		7.2	5	7.56	7		[F0	7	209160	Įν	
	KAP SCO		-39 00 22.76	-0.0006		2.410		2.200	1	1.320	1	B2IV	1	209163	V	1
კ65 ₀ 3657	V 552 OpH		-28 24 29 34	+0.0013		8.8	6		_		1	МО	6	185643	V	1
365B	MU ARA		-51 48 35 06	-0.0014			2	5.85	2			G5V		244981		ŀ
3659	Bo HER		+24 35 16.75	-0.0042			2		2	8.65	2	KAIII	1	g5344		Ī
366 _L	56 0PH		-21 39 38 57	-0.0068		4.87	2		2		2	F5V		185660		1
	ETA PAV		-64 42 09.86	-0.0005		3.620		4.800		5.960		KIIII	1	254020	l	1
3662	60 BET OPH		+04 35 11.84	-0.0028		2.770		3.940		5.180		KZIII	1	122671	'	1
3603	Hq0 XX OpH		-06 14 52 19	+0.0004		8.8	6					BP	5	141834	V	1
3003	b4 HER		+24 20 53.48	-0.0085		5.54					1	GG6		4536 <u>0</u>		
	5Z SGR		-18 38 13 99	-0.0006	1	8.6	6					N3	6	160795	V	1
კნხ <u>ე</u> კნხ _ნ	V 624 HER		+14 25 49.35	-0.0000		6.07		6.28	7		ŀ	K M	6	103069	ÜΛ	1
	61 A OPH		+02 35 57.94	+0.0001		6.25						AD	l	122600	ח	
3607	61 A OPH		+02 35 56 65	+0.0001		6.64					1	AO	1.	122691	ס	١
კხნ <u>ს</u> 3669	31 PSI- 1 DRA		+72 10 26 21	+0.0033		4.58	2	5.01	2	5.02	2	F5IV-V	1	8890	0	1
367 ₀	31 PSI- 2 DRA		+72 10 55.37	+0.0041		5.738		6.188	7			DF6	1	8891	D	١
	V 620 ARA		-56 04 52 86	-0.0006		9.9	6				1	AO	6	245020	V	İ
3671	V 777 SGR		-26 10 55 05	+0.0004		8.3	6		ŀi			K2	6	185724	V	١
3672 3673	UW AKA		-48 43 47.02	+0.0001		9.6	6	12.0			l	An	6	228414	V	1
3674	V 537 ARA		-54 41 10.73	-0.0019		8.5	6]	1	BB	6	245031	V	
			-28 07 54 94	-0.0007		9.0	6				1	F5	6	185745	V	1
3675	UN 56R		-40 06 34.94	+0.0001		3.020		3.530	1	3.770	1	FZIA	1	228420	ח	
567b	5X 5C0		-35 41 03.62	-0.0021		10.5	7	-,,,,,,,,	Ι-		1	NB	6	209256	V	1
77 ادر	X 50R		-27 48 49.14	+0.0001		4.20		4.900		l		F8	_	185755	V	ı
36/6			+27 44 55 40		-0.747	3.420	1	4.170		4,560	1	GSIV	1	85397	ח	ı
3679	BE MU HER		+02 43 28 28	-0.0016		3.750		3.790		3.830		AOV	1	122754	1	1
3680	62 GAM OPH		-30 27 35.53	-0.0001		9.54	7	10.69		0.000	1-	Ko	6	209298	V	ı
3681	V 500 Sc0			+0.0010		7.42	5	1000			1	89	1 7	209291	l v	
3682	V 393 Sco		-35 02 28.83 +40 02 09.40	+0.0012		9.0	6		١.		1		1	46952	V	
3683	V 522 HER		-53 35 53 16	-0.0011		5.90	ľ				1	B3V	1.	245065	עם ו	1
3664	UPS-1 ARA G ScO		-37 01 45·62	+0.0045		3.190	H	4.360	1	5.540	1	KIIII	ł	209319		1
3685			-40 04 35.09		-0.008	4.81	2	5.07	2	5.07		CA3		228466	ח	1
3686			+25 38 17.42	-0.0004		5.17	~		Ι] - •	-	KSIII	1	85437		Т
3687	87 HER UPS- 2 ARA		-53 07 01.90	+0.0011		6.40	İ		1		l	An	1	245072	1	1
3688			+45 42 52.53		-0.019	8.4	6			1	1		1	46973	V	Т
3689	V 337 HER		-33 41 31.50		+0.025	7.5	4	8.70	7		1	65	4	209340	DV	П
369L			+50 47 31.58		+0.209	5.11			Į.			A2		30591		
3691			+86 36 34 78	+0.0107		4.36	2	4.38	2	4.41	2	AIV	1	2937	Ì.	ļ
3692			+48 24 24 48		+0.015	6.40	-	6.250	-			AP	ı	46997		1
3693 3694	58 HER		+86 59 31.94		+0.003	5.79	2	6.04	2	6.11	2	AM	1	2940	1	
3695	24 UMI V 564 OPH		+07 57 09.91		-0.018	9.3		10.85	7		1	K2	6	122851	V	1
	Y 0PH		-06 07 59.02		-0.010	6.10		7.400	J	1		GOP	1	141926	V	1
3696			-24 45 52 30		-0.002	8.7	6			1	1	ВС	6	185899	V-	1
3697	The second of th		-02 34 07.45		-0.050	7.5	6		1		1	MC	6	141939	٧	1
3698			+40 00 58.78		+0.052	4.93	Ī				ľ	KSIII	1	47037	D	1
3699	90 -F HER		+76 58 15.03		+0.246	5.09	1		1		1	F6IV-V		8939	1	1
3700	35 DRA	1/ 31 40.924	12.0 20 12.00	1.000103		1 - 70 /	1.	1	1	l .	ı	1	1	1	1	┙

TABLE 4 CONTINUED STAR DESIGNATIONS AND STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1998-0)

NÚĽBEÁ	STAR LESIGNATION	RI. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM		2 2	BLUE MAG.	B N	MAG.	U N	SPECTRAL CLASS	C. 51	SAC CaT.NO.	PPOP.	6
10.55			00 -0 00 00	:+-	-0.6003	-0.002	6.20	2	6.24	2	5.35	2	08		145928		107
3701	H40 50	17 51 49.256	-24 52 44.4		-0.0017	1	8.7	6					A O	6	103105	v	1 1
3702	UX HER	17 51 54.495	1+10 5/ 0/•4	7	-0.0015		7.7	5			1		AZN	7	209460	V	
3703	TX 300	17 51 55.891	-45 08 55·8	7	-0.0000		8.8	6					A2	۴	222555	٧	1 1
3704	V 764 Sc0	17 52 27.507 17 52 39.700	156 E2 U7.6	اه	+0.0106		3.750	1	4.930	1	6.140	1	K2II		30631		1 '
3705	32 XI DRA	17 52 59.761	-32 28 06.5	2	+0.0005		6.62	4					BOSE	7	209489	V	1 1
3/06	V 453 SCO	17 55 24.044	+26 03 24 1	4	+0.0002		5.45	2	5.79	2	6.06	2	F2IA		A5545	, V	
ر 707د	69 V 441 HER	17 53 45.409	+00 00 24-2	9	-0.0005		5.67		5.76	7		i i	NSIV-V	7	122935	· V	1
3708	V_052 OpH	17 54 24.329	+04 59 30 8	n i	+0.0046		7.46	5		1	1		F4V	7	122946 66485	นูว	1
3709	V 566 OPH 91 THE HER	17 54 32.183	+37 15 21.6	B	+0.0001		3.870	1	5.220	1	6.680	1	KIIT		470A0	v	1
3710	91 THE HER	17 55 22.254	+45 21 21.8	9	+0.0002		6.22			1		١. ١	M65		30653	7	
3711	33 GAM DRA	17 55 26.576	+51 29 38.5	2	-0.0014	-0.050	2.220		3.740		5,620		KSIII		85590	V?	
3712		17 55 49,210	+29 15 07.3	4	+0.0064	-0.017	3.700		4.640	1	5,340	1	GOTII	ے	209552	1	
3713 714	92 XI HER V1647 SUR	17 55 49.486	-36 56 08.0	5 [-0.0n6	6.8	6.					An F5	1 6	103254	y	1
3/15	Z HER	17 55 51.372	+15 08 31·4	5		+0.074	7.1	4	1				F2	1 -	8961	1	
3715	34 DRA	17 50 02.907	+72 00 37.9	2		+0.003	5.46		1, 770		5,200	1	69111		142004	1.	1
3717	64 NU OPH	17 50 16.332	-09 46 09·1	0		-0.119	3.340		4.330	1	3.500	*	eu Garri	6	35600	v	
3716	MM HER	17 56 31.954	+22 08 58.9	3		-0.029	9.1	6		1.	1		K5	4	30659	V	
3719	UW DRA	17 50 31.970	+54 40 09.5	2		-0.023	7 • 0		4.80	2	4.95	2	F2II	'	66524		1
372u	94 NU HER	17 56 35.255	+30 11 32.2	9		+0.007	9.4	7	4.00	12	7.73	٦	MA	6	209570	V ·	
3/21	V 540 SGR	17 56 42.079		8		-0.036		2	4.70	2	4.67	2	AO	"	186061		
3726	ų SGR	17 56 44 290	-23 48 48 0			-0.043	8.5	6	4.4	15	1,07		1	ŀ	103274	V	1
3723	V 914 OpH	17 57 01.404	+11 47 10 • 6	В		-0.000		4					КО	4	186074		1
3724	5 SGR	17 57 07.511	j-24 16 54 · 8	2		-0.033	4.60	2	4.58	2	3.77	2	B2VE		123005	V	1
3725	bt. OPH	17 57 47.101	1+04 22 11 0	-		-0.012		2	5.95	2	7.16	2	KOII-III		1n3295		ı
3726	93 HER	17 57 49.773	+16 45 08 - 3			-0.046	4.62	2	5.01	2	5.00	2	F3V		142025	1	
3727	57 ZET SCA	17 57 50 . 377				-0.010	3.970		3.990	1	3.340	1	BSIB	1	123013	D = 0	i
3728	67 OPH	17 58 08 348				-0.007	6.31	1				1	KSIII		160999		- 1
3760	6 SGR	17 58 28.705 17 59 12.900			+0.0008	-0.012		12	4.46	2	4.48	2	AIV		123035	- לעם	1.
3730	Hq0 30	1/ 39 12.700	+21 35 39.1	6		+0.031	5.21	1		1		İ	GSIII		85647	D.	
3731	95 B HER		+21 35 40.4	A		+0.034	5 - 13			1	1	1	A7III		85648	D	ĺ
3732	95 A HER		-24 17 01 4	8		-0.009	5.35		5.870			1.	FSII		186163	1 1	
3733	7 50R 96 HER		+20 49 55 5	7	+0.000	5 -0.011	5.10	1	5.000				B3V		g5672		112
3734	96 HER		-08 10 55 0	8	+0.001	7 -0.039	4.79	2			5.22	2	F2+F2	1	142050 85676	. U	1
3735	97 HER		+22 55 17.3		-0.000	+ -0.0n8	6.10	Ì.	6.000		1		B3V		186204	į.	- 1
3737	g SGR	18 00 48 40	1 -24 21 48.6	57	+0.000	2 +0.002	5.97	2			5.08	2	05		186237	nv	
3736	W SGR	18 01 49.519	-29 35 03.0)4		-0.001	4.30	1.	5.100			1	FRD STITE		123090	v	1
5739	V 986 OPH	18 02 05.79	3 +01 54 54 0	11		3 -0.003	6.13	2			5.23	2	BO.5III	1	209696	V2	
3740	10 GAM SGR	18 02 35.67	3 -30 25 35 8	30		1-0.185	2.990		4.001		4.770		BO.5II		245242	1	
3741	THE ARA	18 02 44,22	9 - 50 05 49•5	53		1 -0.017	3.665		3.58		2.715		K0A		123107	D .	-
3742	70 -P OPH	1 18 02 55.60	3 +02 30 34 • 6	52 IC		2 -1 - 094	4.030				5.400	2	A5V		254147	V?	
3743	PI PAV	18 03 45.93	4 -63 40 23	74	+0.003	2 -0.185	4 • 35	2			6.54	2	IDF5		8994	יער.	
3744	46 DRA	18 03 47.44	9 +79 59 47	77		+ +0 • 127		6		14	0.54	15	A7	6	30734	V	-
3745	SX DRA	18 03 48.64	+58 23 34	39		4 +0.017		2		2	6.17	2	DF6	1	8996	DA5	- 1
3746	41 DKA	18 03 53.45	0 +79 59 59•!	55		5 +0.120		12	0.10	۲	10.10	1	GM2	ļ	35725		
3747	98 HER	18 03 55.44	8 +22 12 46 •	28		8 -0.008		12	5.60	2	6.33	2	GBIII-IV		123140		1
3748	71 OPF	1 18 04 54.79	0 +08 43 33.	79		6 +0.032							A4V		123142	י כו	-1
5749	72 Opt		6 +09 33 18	34	_	2 +0.081		12			5.46	12	F7V	1	66648	ס	
3750	99 -B HEF	18 05 07.52	9 +30 33 12•	אם אפ	0.007	5 +0.071	7.04	۱۶	10.00	- 1	1			1		_l	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR L'ESIGNATION	RT. ASCEN.	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	Ŋ		B N	UV MAG.	U N	SPECTRAL CLASS	ج ا!	SAN CAT.NO.	STAP FROP.	
3751	105 OMI HER	15 05 35,418	+28 45 15.79	-0.0001	+0+010	3.830	1	3.810	1	3.740	1	eav		85750	ν	Γ
3752	IUT PAV		-62 00 54.61	-0.0110		5.49	2		2			Ġn		254157		1
3/53	V3792 SGR		-25 28 53 84	+0.0003		6.27	`		_			B8	6	186350	V	
3754	100 B HER		+26 05 19.08	-0.0003		5.90	2	6.04	2	6.12	2	A3		A5752	nv?	1
3755	100 A HER		+26 05 33.51	-0.0006		5.86	2	5.98	2	6.06	2	Λ3		A5753	570	1
375 ₆	V 566 H _E R		+41 42 37.55	+0.0007		7.7	6				1	M0.	6	47242	V	ı
3757	V 529 HER		+42 12 53 18	-0.0011		8.6	6							47244	V	1
3750	102 HER		+20 48 18.86	+0.0002	-0.009	4.35	5	4.20	2	3.39	2	BSA		R5769	n j	ı
3759	101 HER	18 06 43.406	+20 g2 g9.74	+0.0005	-0.021	5.16	1				ŀ	A4		A5770	l	İ
3760	W SCA	18 06 56.299	-15 33 37.33	+0.0004	+0.003	9.0	6		l			S4C	6	161128	V	1
3701	V 839 OpH	18 06 58.351	+09 08 28 30	-0.0015	+0.016	8.8	6		2.			GO	6	123193	V	1
5762	73 OpH	16 07 04.593	+03 58 59 91	+0.0024		5.73	2	6.10	2	6.13	2	F2		123187	7)	1
3765	T HER	18 07 12.635	+31 00 40+07	+0.0009		6.9	4			1		M3E	4	66690	N .	1
3764	EPS TEL	18 07 31.023	-45 57 54•77	-0.0014	-0.031		5	5.54	2	6.32	2	GSIII		228777	D.	ı
3765	SY SGR	18 07 51.217	-23 42 15.39	-0.0004		9.4	6					F8_	6	186416	V	1
3/60	R PAV		-63 37 43 55	+0.0003		7.1	4					M3E	-4	254172	V	ı
3767	11 S ₅ R		-23 42 47.18	+0.0013		5 • 13		100		1		GK0		196437	D.	ŀ
3768	AO SGR		-29 52 21.01	+0.0024		9•0	6					M3	-6	196452	V	ı
ر 769	NO HER		+18 18 40.98	+0.0015		8.2	6					AO	6	193465	V	1
377U	AP SGR		-23 ₀ 7 52•47	-0.0005		6.7	4					F5	-4	196478	V	1
3771	104 A HER		+31 23 29.74	-0.0009		4.92	١.				١.	GM3		66737	V?	1
3772	13 MU 5 R		-21 04 25.46	+0.0002		3.850	1	4.070	1	3,600	1	BBIAP		186497	עם	ı
3773	14 SGR		-21 43 42.03	-0.0006		5.73			1_		١.	GK3		186509		ı
5774	15 S _G R		-20 44 41.67	+0.0002		5.38	5	5.45	2	4.58	5	BOIA	- "	186543		Į
3/75	16 SGR		-20 24 16.63	•	+0.000	5.98	2	6.02	2	5.14	2	1160		196544	D.	1
3776	V2509 S _G R		-35 39 16 24	+0.0012		7.2	6					A0	6	209923	V	١
3777	W LYR		+36 39 12.05	+0.0006		8+8	6		1		1	M3F-M6.5E	7	66794	V	١
317 ₆	36 DRA		+64 22 48.39	+0.0526		4.80	١ ا		1.5		I.	F5V	İ	17828		1
3779	17 5¢R		-20 33 45.94	+0.0009		7.07	12				ı	G5+A5	_	186575	l v	ļ
3780	wZ SGR		-19 05 41 • 16	+0.0017		8.2	1				1	G3-K6	7	161257	ľv	1
3761	RY OPH		+03 40 26.98		+0.005	8.7	6	70	١.		١.	M3E-M6E	7	123316 209957	D	1
3762	ETA SGR		-36 46 43 49		-0.166	3.110	1	4.670	1	6.370	1	M3II		209959	ΰv	1
3765	RS SGR		-34 07 35.38		-0.009	6.1	ا ا	ľ			l	B5+A2 A0	_	228898	ľv	1
3784	TZ CRA		-43 22 52 60		-0.001	9.7	6	1 3.1				GK1	6	17837	1 '	۱
3765	37 DRA		+68 44 16 53		-0.059 +0.037	5•97 7•7	6	et	1			M4	7	103576	V	١
3786	IQ HER		+17 57 36 90		+0.015	8.8	6		1			OA	6	161325	v	ı
3767	CV SCA		-11 39 16.23 -15 38 04.58		-0.013	8.8		10.67	٦,	12.67	7	R6(C4+5J)	7	161327	v	1
3786	FO SCA		75 04 08 55		+0.032	5.47	2	5.49	2	5.53	2	AO	'	257584	1	1
3 78 9	PHI OCT		+24 25 25 98		+0.001	5.34	-		-	3,30	-	K411		95921	1	1
5790	105 HER		+68 43 19.27		-0.089	6.72	4		i			AO	4	17847	ľ	1
5791 3792	38 DRA 19 DEL SGR		-29 51 04.68		-0.029	2.700		4.080	1	5.630	11	KZIII		186681	0	1
3793	1 KAP LYR		+36 02 27.36		+0.043	4.34	2		2	6.70	2	K2III		66869	٧?	1
3794	106 HER		+21 56 19.62		-0.056		2		2	8.54	2	GMO	1	85941	1	1
3795	74 OPH		+03 21 11.45		+0.010	4.84	2	5.75	2	6.36	2	GBIII		123377	מ	1
3796	Y SGR		-18 53 02.76		-0.010	5.40	1	6.200			1	F5P		161376	V	1
3797	XI PAV		-61 31 09.61		+0.004		2	5.84	2	7.39	2	K2111	- 11	254226	D .	1
3798	56 ETA SCA		-02 54 48 20		-0.697	3.250		4.190		4.840		KOIV		142241		ı
3799	108 HER		+29 50 02.32		+0.057	5.50	1	5.720				A M		85956		1
3800	XZ SGR		-25 15 53.02		-0.024	8.8	6		1		1	A2	6	186718	V	١
3300	1 26K	10 1/ 010/20	1 1- 33-02	1	""		1	1	L	<u> </u>	L	1		<u> </u>	<u> </u>	L

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N		B N	.,.	N	SPECTRAL	li e	SAN C.T.MO.	STAR PPOP.	,
		6 10 03 898	+28 50 41.92	+0.0002	+0.050	4.98						Д4		A5957	112	
3801	167 -T H_R	15 19 00 60 677	+47 32 32.47		+0.029	9.0	6							47430	٧	1
ے80د	TZ UKA	16 20 30 677	-34 24 36 94		-0.125	1.850	1	1.820	1	1.690	1	BOIV		S10001	ח	
3803	2ú EPS SGR	16 50 31 100	-08 57 43.03		+0.044	4 • 68	2	5.62	2	6.34	2	KOIII	4.5	142257		
3804	ZET SLT	16 20 33.131	+89 03 03.50		+0.001	6.38	2	7.95	2	9.74	2	MITIT	100	3020		1
3805	LAM UwI	16 51 51 818	171 40 40 23 1		+0.041	4.22	2		2		2	ANSI	1	9084	DA5	1
აციი	43 PHI DRA	16 21 28.505	+71 18 42.23 L		-0.244	3.840		5.020		6.180		K2III		860n3	٧?	1
3807	109 H _L R	18 21 33.942	+21 44 44.35		-0.071	5.60	2		2			KOIII-IV		210116		-
3808	18 SGR	18 21 48.5/1	-30 47 02.25		-0.002	9.0	6	•	-			G5	6	161444	V	1.
3809	XX S5R	1: 21 50.642	-16 49 31.58			3.580		4.070	1	4.010	1	F7V		9087	ח	
381u	44 CHI DRA	18 21 57.480	+72 42 42 14		-0.356	4.81	2	6.11	2	7.04	2	K2II	1	186794	Ď	- 1
-3811	21 SGR	18 22 22.292	-20 34 12.90		-0.026	5.05	ا ۴ ا	5.080	[1.00		ASILI		66943	1	1
3812	LYR	18 22 34.868	+39 28 43 85		-0.007	8.8	6	3.000				PEC	1.6	161458	V	
3813	RY ScT	18 22 42.706	-12 43 09.24		+0.005	4.99		5.07	2	5.12	2	AIV		30949	ח	-
3614	39 -B D.A	18 23 10 673	+58 46 16 50		+0.061	3.510		3.340		2.690		BSIII		229023		1
3815	ALP TEL	18 23 15.974	-45 59 53 11		-0.046			3.070	-	2.0,0	^	A0	6	142311	ν	
3816	∟G 5cA	18 23 26.492	-01 42 38.90		-0.036	8.2	6		l .		l .	BSIB	7	142317	. V	1
5817	RZ ScT	18 25 48.968	-09 13 56 • 04		-0.005	7.9	6					MB	6	153489	V	
3816	V 988 OPH	18 24 23.520	+03 52 56 95		-0.022	8.2	6	5.71	2	5.92	2	GO+AO	"	123497	กัง	-
3819	59 -D SCA	18 24 38.906	+00 09 53 44		7 -0.002	5.21	2			4.750		KZITI	1	186841		١
3826	22 LAM SGR	18 24 53,059	-25 27 04 • 18		2 -0.185	2.810	1	3.850 5.140		5.955	1;	GKO		229047		ı
3821	ZET TEL		-49 06 00 58		7 -0.241	4.125		3.140	1+	3.755	1	BO	6	161502	W	1
3822	V2349 S6R	16 25 31.381	-16 44 02.08		1+0.003	9.0	6		1		2	K311	1 "	258709	1	1
3823	CHI OCT	18 25 46.665	-87 39 09.92		-0.131		2	6.56	2	8.16 7.12	2	KZIII	1	17888		ı
3824	42 DRA	18 25 50 426	+65 31 56 82		-0.026		2	6.01	2		2	A3V		161520	1	- 1
3825	GAM SCT	18 26 20.804	-14 35 58.05		L -0.005	4.71	2	4.78 4.53	2	4.82	2	BSIII	1	254273	V2	- 1
3826	NU PAV	18 20 42.408	-62 18 46.06		-0.043	4.64	2	4.55	1	4.14	١٢	A0	6	103766	v	-
3827	V 451 OPH	18 26 52.938	+10 51 28 52		1-0.009	8.0	6	1.5	ŀ		1	KOIII	1	142348	100	i
3826	60 -C SCA	18 27 04.776	-02 01 09.27		0.033	5.44	١.	4.85	2		1 1	BOIV		229092	1	- 1
3829	DEL- 1 TeL	18 28 03.189	-45 57 02.61		7 -0.030	4.96	2	4.85	12		1	FB	5	86134	V	١
3830	AC HER	18 28 09.034	+21 49 53 11		5 +0.000	7.8	5		1	1	1	BSIV	3	229095		
3831	DEL- 2 TEL	18 28 20 . 114	-45 47 37.43		4 -0.006	5.33			1		1	AD	4	103793	V	ı
3832	RX H_R	18 28 20.202	+12 34 31.90		3 +0.013	7.2	14		14		l_	BETTIE	7	161562	v	
38 3 3	V3508 SGR	18 28 27.371	-19 11 41.00		5 +0.024	8.3	6	8.65	1'	8.44	1'	FO	1 6	161563	v	1
3834	V SGR	18 28 27 642	1-18 17 55.95		6 -0 • 0 0 <u>1</u>	8.2	6		-		-	A5	1 8	229101	l v	ı
3835	V 668 CRA	18 28 50.515	5 -42 21 23.70		6 -0 • 0 97	8.7	6	8.91	1!	9.06	1.		. 0	161571	v	1
3836	U SGR	18 28 56.533	-19 ₀ 9 42•32		7 -0.000	6.340		7.300	1	7.880	1	CF5	1	67056	١v	
3837	KP LYR	18 29 11.023	+38 36 13.75		8 -0.028	8.6	6		_		١.	10113	1	142372	1 '	
3838	61 SCA	18 29 21.997	-01 02 24.30		5 -0.006	5.94	2	6.10	2	6.26	2	A24?	1	229111	1	
3839	THE CRA	18 29 55 960	1-42 21 02.24	+0.002	8 -0.021	4.64	2	5.66	2	6.42	5	GSIII			0	1
3840	KAP- 2 CRA		-38 45 51 • 01	-0.000	3 -0.029	5.95			1	l .	1	A	1	210295	D 0	
3841	KAP- 1 CRA		-38 45 29.43	+0.001	8 -0.027	6 • 55	1.		1			B8	1.	210296	V	
3842	T LYR	18 30 36.185	+36 57 38 89	+0.000	6 +0.010	7.8	4		1		1	N3	4	67087	\ \ \	
3843	∠4 SGR	18 30 50 200	-24 04 17.25	+0.000	2 -0.010	5.71	1	1	1		1	CK4	1	186981	1 .,	
3644	RT PAV	18 30 55 66	69 55 30 92	-0.002	7 +0.012	8.7	6	1	1.				1	254296	V	
3845		18 31 29.212	2 -24 15 44.42		1 -0.001	6.39				1		CF3		186995		
	 In the Control of the C	18 31 42.656	+57 00 24 61		4 -0.004	4.80	2	5.41	2	5.85	2	F7IB		31039		
3846		10 31 72.036	3 -08 16 50 47		3 -0.312	3.830	1	5.170	1	6.700	1	KSIII		142408	Λ3	1
3847	ALP SCT		+51 41 00.56		7 -0.311	8.3	6					M1	6	31048	V	- 1
3848 3849	BY DRA		-00 21 11.20		6 -0.021	5.74	2	5.80	2	5.86	2	A2	1	142444	1	
	-E SCA	18 35 09.418	, , , , , , , , , , , , , , , , , , ,		4 +0.001	8.2	6	1	1		1	KO	6	142447	·ν	

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STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR Designation	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N	_	B N		U N	SPECTRAL CLASS	S .	SAA CAT.NO.	STAR PROP.	
3851	3 ALP LYR	14 35 14-655	+38 44 09+68	+0.0171	+0.285	0.030	1	0.030	1	0.030	1	AOV		67174	۵Λ۵	Τ
			+08 47 19.71	-0.0011		6.4				4.7		GM6E		123744	ָטע.	1
3852			+39 37 22.79	+0.0001		5•8						CM4	٠.	67193	٧.	1
3853	XY LYR		-71 28 28 15	+0.0016		4.015	1	5.150	1	6.165	1	KZIII		257620	י ר	ļ
3854	ZET PAV		-37 53 02.39	-0.0002		9.9	7	-				MD	6	210449	V.	١
3855	U CRA		-37 31 56 68	+0.0008		8.5	6					MR .	6	210455	٧	1
3856	AM CRA		-04 07 56.14	-0.0001		8.8	6					ВВ	6	142494	. V	١
3857	RR SCT		-23 52 54 27	+0.0024		6.14	ľ				100	ДМ		187146	1	1
3858	ا SنR		+31 37 29.94	-0.0007		9.0	6					MB	6	67243	V	١
3859	LY LYR			+0.0019		9.1	6	4	i	· ·		NP	6	123817	V	1
3860	V 679 OPH		+06 46 10 62	+0.0004		4.72	2	5.07	2	5.23	2	F3III-IV		142515	עם	1
3861	DEL SCT		-09 06 07.26 +00 06 20.18	-0.0008		8.5	6		l - '		l -	K5	6	123824	V.	I
3862	HK AUL				+0.012	9.0	6					AO	6	142528	V.	1
3863	ER SCT		-07 44 32.64 -05 52 15.90	+0.0000		9.3		10.36	7			Gn	6	142532) v	1
3864	Z ScT	18 40 16.750		+0.0002		5.13	ľ	-0.00	ľ			AIV		210501	סו	
3865	LAM CRA	18 40 21.169 18 40 42.193	-38 22 24·69 +08 47 21·79		+0.026		6		1	1		AZ	6	123842	V	1
3866	V 456 OPH			+0.0014			2	6.01	2			GBII		142546	D	١
3867	EPS SCT	18 40 47 819			-0.006	8.3	6	9.12	7			F8P	6	142552	V	Į
3866	SS ScT	18 41 00.748			+0.024	5.06	"	7.1.	Ι΄.			AOSI	•	31119	V?	1
3869	46 -C DRA	18 41 39.779	+55 29 17.62 +02 00 27.21	+0.0004		4.99		4.920	1		Ì	B9V		123870	V2	۱
კ87	4 AQL		-20 42 00.89	+0.0061		8.1	5	1.0720	l.			F5-G4	.7	187233	V	-
3871	V 350 SGR		-27 02 38·48		+0.001	3.160		3.050	h	2,690	1	BRITT		197239		
3872	27 PHI 5GR		+39 37 03.39		+0.059	6.02	1		1		1	Au		67309	D.	. [
3873	4 EPS- 18 LYR				+0.059	5.06	1		1		1	AZ		67310	D	
3874	4 EPS- 1A LYR		+39 33 33.98 L		+0.064	4.496			ŀ	1	1	A3+A5		67315	י אַער	١
3875	5 EPS- 2 LYR				-0.002	9.6	7					AZ	6	210550	V	١
3876	SX SGR		-30 32 33.83		+0.024	4.36	2	4.55	2	4.71	2	AM		67321	DV?	
3877	6 ZET- 1 LYR		+37 33 06 27 +37 32 28 32		+0.019	5.74	2	6.02	2	6.08	2	FOIV		67324	DV?	ı
ა876	7 ZET- 2 LYR				+0.000	5.80	-	0.02	-	0.00	1	GK4		187255	D	١
3879	2ь SGR		-22 26 46 86		+0.019	9.0	6			}	1	M2	6	123894	V	ļ
3880	T AuL		+08 41 22 86		+0.012	6.50	ľ	6.52		1		AP	6	86405	V	1
3801	V 535 HER		+21 55 51 47		-0.334	4.19	2	4.65	١	4.67	2	F6V		86406	D .	.
3882	110 HER		+20 29 49 72		-0.081	5.73	2	5.97	2	6.08	2	A4	İ	254374		1
3883	THE PAV		-65 07 56 63		-0.021	5.64	2	5.78	2	5.86	2	A M+AM		142606	D	1
3884	5 AQL		-01 00 57 14		-0.014	5.24	2	6.02	2	3.00		6?G2		229285		1
3885	MU CRA		-40 27 40 90		-0.017	4.22	2	5.31	2	6.15	2	6511		142618		1
3886	BET SCT		-04 48 10.73		+0.115	4.36	2	4.48	2	4.56	2	A3V		104093		
3887	111 HER		+18 07 28.04 -05 45 37.40		-0.028	5.20	2	6.67	2	8.30	Ιē	GOTAE		142620	V	
3888	R ScT		+10 42 30 19		-0.016	8.5	6	0.0	-	0.00	-	AO	6	104094	٧	. [
3889	KO AGL		-20 19 49 29		-0.003	6.87	14	1	1		1	B3V?+A2II	7	187294	V	
3890	V 356 S6R		-43 44 11.56		-0.017	5.49	2	5.62	12			A2		229299	1	
3891	ETA- 1 CRA		-43 29 28.78		-0.022	5.64	Ι-		-		1	В9		229307		
3892	ETA- 2 CRA				-0.025	9.0	6		1:			GO	6	161860	V-	
3893	RS ScT	18 46 25.718			-0.009	7.6	6				1	G0-G7	7	161870	V	-1
3894	YZ SGR		-16 46 51 • 54 -20 22 59 • 81		+0.036	5.37	آ		1		1	GK4		187324	DV?	1
3895	29 SGR				-0.018	4.200	1	4.060	1	3.170	11	BIVE		254393	DV .	į
3896	LAM PAV		-62 14 51 43		+0.002	7.0	1	""	1	"""	1	C5-4	1	142674	DV.	
3897	S ScT		-07 57 59.35		-0.030	6.24	1	1	1		1	ATIII		187342	D	ļ
3898	30 SGR		-22 13 16 17			5.80	1	1			1	B2		67441	D	-
3899	B NU - 1 LYR		+32 45 14.11		-0.008		1	1			1.	A1		9250		.
3500	J 50 DRA	18 47 59.715	+75 22 33-84	-0:0002	+0.076	5 • 36	1	1	1	1	1			1		- 7

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

Г				DESIGNATIONS AND	T	RA TA	DEC	VISUAL	v	BLUE	В	ιν	U	SPECTRAL	ç	Ø\$A∩	STAR	T = '
	IUMBEN	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	1	PH	PM	MAG.	N	MAG.	N		N	CLAS5	ħ1	CAT.MO.	PPOP.	11
	3961	9 NU - 2 LYR	18 48 00.801	+32 29 31.74		-0.0010	-0.014	5.14	-	5.200				•A3V		67446	, u	'
	3902	BB SGR	18 48 01.973	-20 21 18.67	1	+0.0011	-0.028	7.6	4					GO	4	187349	٠٧	1 '
	3903	14 BET- 1 LYR	18 48 13.935			+0.0000	-0.002	3.420	1	3.420	1	2.850	1	B PE		67451	υν	
1	3904	10 BET- 2 LYR		+33 17 33.28	-	-0.0003	-0.004	7.78	4					B7V		67453	Ü	1
	3905	7 AuL	18 48 28.036			-0.0033	-0.053	6.89	4				- 1	A2	4	142696		1
	3906	V 369 SCT		-06 24 47.12		+0.0007		9.0	6	9.50	7.	9,70	7	FATIT	7	142702	٧	
	3907	KAP TEL		-52 10 01.54		+0.0040		5.27						568		245772		1
	3908	a A.L		-03 22 40.70		-0.0002		6.04			100			A3		142716		1 :
-	3909	HS HER		+24 39 35.75		-0.0007		8.2	6	1 1	1			BB	6.	96497	V	1
	3916	31 55R		-21 58 54.68		+0.0027		6-66	4		1			٧2	- 4	187381		
				+21 21 48.89		-0.0005	_	5.20		5.130		4 . 4.		B911-111		96521		
	3911			+59 19 36 - 35		+0.0095		4.67	2	5.86	2	6.90	2	KOII-III	1	1218	ο.	
	3912	47 OMI DRA		-21 25 21.85		+0.0005		5.75	-		1			CKN	١.	187422		1
	3913	33 5 ₀ R		-22 48 29.54		+0.0007		4 • 83	2	6.23	2	7.51	2	CK2		187426	ח	1
	3914	32 NU - 1 56R		+24 12 53 47		-0.0007		8.3	5		-			A2	6	86544	V	1
	3915	DI HER		-67 17 57 08		+0.0000		3.90		4.500				F5P	,	254413	l v	
	3916	KAP PAV		+36 54 29 15		-0.0001		5.51		1.0.700		l. · · · ·		B3		67537	V2	1
	3917	11 DEL- 1 LYR				÷0.0008		8.5	6					M3	6	161972	V.	1
	3910	UX 56R		-16 35 22.66 -22 44 08.19		+0.0074		4.98	2	6.30	12	7.80	2	K3P	"	187445		
	3919	35 NU = 2 5 ₅ R V 913 Acc		+10 34 07.35		+0.0004		8.2	6	0.57	1-	. •	Ι	мв	6	104242	l v .	
	3926			-26 21 38 29		+0.0010		2.030		1.810	1	1.060	1	B2V		187448		1
	3921			+22 34 49 85		+0.0005		4.60	ĝ	5.38	2		2	GO+A3		86567	ם	1
	3922 3923	113 HER 12 DEL- 2 LYR		+36 50 02.93		-0.0011		4.30	ž	5.97	2		2	MATI		67559	DV	1
				+09 16 53.47	- 1	+0.0008		8.7	6	3. /	-	""	-	09+B3	7	124049	v	
	3924	V1182 AJL		+06 33 04 49		+0.0012			2	6.61	2	7.48	2	669	'	124050		148
	3925	62 ScA				+0.0031		4.07	2	4.24	2		2	ASV		124068	DV?	
	3920	03 THE= 1 SCA		+04 08 13.25 +04 08 07.70		+0.0031		4.99	۱ ٔ	5.190		1.00	-	ASN		124070	5	
	3927	63 THE- 2 SCA		-10 35 28.79		+0.0020		8.8	6	3.170	1]	M5	6	162009	l "v	
	3928	RW ScT		+43 52 45.51		+0.0019		4.000		5.590	١,	7.000	١, ١	MSIII	١	47919	ν̈́	1
	3929	13 R LYR				-0.0163		5.14	2	6.51	2	' • 550	1	KIIII-IV		254423	l '	1 .
1	393 _U	OME PAV		-60 16 07 • 74		-0.0001		5.06	۱۴	0.31	1-		1	ADI?		187498		
	3931	36 XI - 1 SGR		-20 43 24 44		+0.0042		4 80	2	6.60	2	7.62	2	KZIII		142838		
	3932	ETA SCT		-05 54 45•78		+0.0014		5.03	-	0.00	15	1.02	۱ ٔ	89111	1	245834		
	J933	LAM TLL		-53 00 22.78					١.	4.690	١,	5.820	l٦	KIIII		187504	1	1
	3934	37 X1 - 2 5GR		-21 10 26.87	- 1	+0.0023		3.510 5.47	1 -	5.470		3.020	*	B8		124089		1
	3935	64 SCA		+02 28 05+27	- [6	3.4/0			1	A2	6.	124093	V	
	3936	V 840 ASL		+06 37 53 83		-0.0024		9•0	6	1		1	1	^د	"	67609	ľv	
	3937	UG LYR		+31 08 01.59	- 1.	+0.0002		8.8		E 07	1	7 07	2	KOIII	l	9283	l .	1
	3938	52 UPS DRA		+71 13 50 81	· L	+0.0094		4.82	2	5.97	2	7.07	٦			210781	v	
	3939	EPS CRA		-37 10 27 98	-1	-0.0107		4.87		1.	1		1	FOV	1	31284	l v	1
	3940	48 DRA		+57 44 52.65	- 1	-0.0049		7.62			1-		1	GK3		104296	DV	
	3941	FF AGL		+17 17 32.43		-0.0003		5.40		6.060			1	F5	-	104303	''V	
	3942	10 AuL		+13 50 16.88	- 1	-0.0003		5.90		6.140			L	A4P	7	187547	۱v	
. F.	3943	AR SGR		-23 46 37.43		+0.0014		9.3	6	F	1 2	- 00	1	G4	6	1	DV2	1
	3944	11 AQL		+13 33 15.97		+0.0008		5.22	2	5.75	2		2	FSIV		104308	DA3	
	3945	14 GAM LYR		+32 37 11.26	- 1		+0.002	3.240		3.190		3.110		BOILI	1	67663	יייטעיין	
	3946	13 EPS AQL		+14 59 56 41		-0.0036		4.020	1	5.100	1	6.140	1	KSIII		104318	1	1
	3947	15 LAM LYR		+32 04 28 02			+0.013	4.96				1	1	K3II		67682	5	1
	3946	TY CRA		-36 56 51 86		+0.0008		8.7	7		1_			B2	6	210829	DV	
	3949	MT TEL	18 58 30.762	-46 43 27.33	- [-0.109	8 • 8	6	1	7		1.	A0	6	229444	۷ 	1.
	395U	12 -I AGL	18 59 00.591	-05 48 39.65		-0.0015	-0.033	4.020	1	5.110	1	6.150	1	KIIII		142931	٧?	1
	5 -0								ŀ	1	1	I			L	<u> 1</u>	<u> </u>	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

	STAR DESIGNATION		DECLINATION P	RA PM	DEC PM		V N	BLUE MAG.	B N	9.	U N	SPECTRAL CLASS	5 N	SAT .NO.	STAR PROP.	G 11
NUMBER				-0.0011	-0.001	2.590	1	2.670	1	2,720	1	AZIII		187600	ח	1
3951	38 ZET SGR	16 59 25.892	-29 57 12.79 L	+0.0049			2	4.73	2	4.66	2	AO		229461		1
3952	ZET CRA	16 59 34.512	-42 10 05 43			5.37	٦					GG3		31323		1
3953	49 DRA	18 59 43.977	+55 35 09.93	-0.0025			6					A5	-6	187605	١٧	
3954	v 523 SGR	18 59 44.851	-29 12 58 32	-0.0014			4		١.		1	B5	4	162122	٧	
3955	V 599 AGL	18 59 48.032	-10 47 41 41	-0.0009		0.00	2	5.21	2	5.30	2	A7		48011	ח	L
3956	Lo LYR	19 00 01.391	+46 51 46•94	+0.0014			6	J.E.	-	3.00	ľ	A3	6	104391	V	1
3957	KP AGL	19 00 14.324	+15 43 35.93	-0.0002			2	5.42	2	5.35	2	AO	1	142959		1
3958	14 -G AQL	19 00 16.464	-03 46 22 86	+0.0013			6		~	,,,,,	Ī	M7	6	187624	V	
3959	SU SGR	19 00 43.065	-22 47 10 47	+0.0003		1	6		1 .	1	i	MR	-6	104407	V	l
3960	V 915 AGL	19 00 50.035	+12 10 41 • 10	-0.0008		8•5 6•46	٩I		1	1		F2111	7	g6753	. V	1
3961	LT VUL	19 01 33.664	+21 11 34.22	+0.0015			6		١.			В3	٦.	142979	V	
3962	V 357 AQL	19 01 34.064	-02 06 18.12	-0.0015				4.770	1,	5.630	11:	GG8	i	187643	ר	
3963	39 OMI SGR	19 01 41.245	-21 48 59.52	+0.0057		3.770	* 1	7.07 5.0	1	1 3.330	1	C6-4		142985	V	
3964	V AGL	19 01 43.953	-05 45 38 19	+0.0011		6.7	6	9.740	17	1	1	K2	6	124227	٧	
3965	SZ AUL	19 02 07.051	+01 13 48 66		+0.003	8 • 7 5 • 5 3	ا ت	20170	Ľ			GK1		142996	0	1.
3966	15 -H AQL	19 02 19.217	-04 06 26.70		-0.027			5.69	2		1	DFB		245921		
3967	RHO TEL	19 02 22.677	-52 24 59 33		-0.115		2	3.67	°:			F8	4	245923	l v	1
3968	BL TEL	19 02 43.938	-51 29 42·18		+0.005		4	1.17	1	1	1.	В9	6	143004	V	
3969	V 843 AGL	19 02 44.886	-06 52 28.73	-0.0007	-0.007	1	6	73	2	4.75	2	F8V+F8V		210928	10	1/
3970	GAM CRA	19 03 02.400	-37 ₀ 8 13•47		-0.273		2	4.73		2.990	1	AGV?NN		104461	ם	
3971	17 ZET AGL	19 03 06.648	1+13 47 15-86		-0.095	2.990		3.000	14	2.990	1	MA	1 4	229497	l v	1
3972	RX TEL		-46 02 54.39		+0.000	1	4		1	1		AZ	4	162189	l v	
3973	V 8U5 AGL	19 03 31 107	-11 43 35.61		-n.025	8.2	4		1.	7 070	١,	895.A5N	1	143021		1
3974	16 LAM AGL	19 03 35.688	-04 57 32.74	-0.0014	-0.088	3.430	1	3.340	1	3.070	1-	An	1	31371		1
3975	51 DRA	19 03 47.703	+53 19 09 26		+0.025	5.32			يا.		1.	KILLI	1	187683		
	40 TAU SGF		-27 44 43-14		-0.249	3.310	1	4.510	1	5.650	1			124266	l v .	1
3976	R Agl		+08 09 10 -25	+0.0002	-0.069	5•5		1.5	1	1	1	GM7E		210944	V	1
3977		10 04 02.445	-30 14 19.31	+0.0026	+0.041	7.9	7	_			1	A2	6	104488	V.	
3 97 8			+10 59 34.30	-0.0002	0.028	5.16	1	5.070			1	B7V	1	229513	1	1
3979	18 Y AGL		-40 34 34-10	+0.003	2 -0.025	4.59	2	5.69	2	6.72	2	GK1		210970	V	1
3980	DEL CRA		-31 25 40.77		+0.050	9.7	7		1		1	AO	6	67834	1	1
3981	V 526 SGF		+36 01 14.52		3 -0.001	5.17		5.060) [.			B7IV	1	67835	D	1
3982	18 IOT LYF	19 05 30 93	+32 25 18-11		+0.023	5.00					1	DA7	٠.	143063	l v	1
3983	17 LYF		-07 31 04-34		8 -0.002	7.9	6	8.960			1	G5	6		v	ł
3984	V 496 AG		+01 13 06.96		3 +0.009	7.7	4	8,660			1.	G5	4,	124305	'	ł
3985	TT AGI	. 1	5 -37 59 03.49		1 -0.099	4.110	1	4.150) [1	4.240	1	A2	1 _	210990	l v	
3986	ALP CR	19 00 04.343	+39 04 27.22		1 +0.011	7.55	4	1		1	1	M6	7	67859		1
3987	V 398 LY		+05 59 35.32		8 -0.075	5.29	1					DF2	1	124318		1
3986	19 Ag		5 -39 25 19.53		2 -0.037	4.110		5.310		6.380		GG3		211005	р	
3989	BET Ch		25 19.33		0 -0.035	2.890		3.240			1	F2II-III	1 .	187756	V	1
3990	41 PI 56		+10 28 16.25		3 +0.004	8.6	6	9.700	0 7		1	КО	6	104533	l v	-
3991	FM AG	19 00 54 02	3 -19 46 28 87		3 -0.007	9.2	6				.	MO	6	162297	V	
3992	V 353 SG	K 19 08 34.27	1 122 17 55.73		6 -0.019	7.5	7					B8	7	86909	V	- [
3993	RT VU		1 +22 17 55.73		6 +0.115	8.4	6	1	-		1	G5	6	3170	· I · V	ł
3994	R CE	P 19 09 23.850	8 +88 56 21.52		1 +0.029	9.4	6		1		10			18183	٧ ا	- [
3995	XZ DR		0 +64 46 33 10		5 +0.034	6.13		1	. Į :			A2	1	18187	1	H
3996	55 DR	A 19 09 34.71	5 +65 53 41 42		2 +0.009	8.7	6	1		1	1	MB	6		٧	1
3997		R 19 09 44.31	4 +32 31 46.77		8 +0.001	5.74	ľ	5.68	o l			AOSI		67946		- 1
3998		R 19 09 50.83	2 +31 11 55.92	-0.000	5 140 045	8.1	6			1	1	MB	6		V	- [
3999		A 19 09 51.99	8 +66 01 06.97		5 +0.015	5.37	ľ		.		1	BSIV		143134	V?	١
4000		1 1 1 9 0 9 57 95	6 -08 01 28.93	1+0+000	9 -0.007			1	. [1 '	1		1	1	I	

STAR LESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSIO: (1950.0)

nt 475	STAR ESIGNATION	RT. ASCEN.	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N	1	P N	JV M∧G.	U N	SPECTRAL CLASS	Ċ,	SA^ C.T.NO.	STAR BBOB.	
IU.BEK		141	 	-0.0001	-0.013	8.6	6	9.650	7			65	6	1 24302		
40U1	FN AJL	19 10 17.431	+03 28 18.97	-0.0000		8.9	6					65	б	48190	· . 1	1
4002	FL LYR	19 10 37.583	+46 14 18 17	+0.0041		5.12						GSTII		31469	V >	1
4003	53 D-A	19 10 43.809	+56 46 24.31			9.5	7	j' J			! [A2	6	211072	V	1
4004	ಶ೦ SGR I	19 10 54.394	-36 19 51 43	-0.0014			6					v4	6	162339	A	İ
4005	Rw ScR	19 10 59.089	-18 56 53 19	-0.0000		9•2		5.45	,	5.45	2	F2V		9341		1
4000	59 DRA	19 11 01:096	+76 28 42·03	+0.0127		5.14	2		2			A M2		254508		
	TAU PAV	19 11 07.597	-69 16 42.31		-0.023	6.27	2	6.44	2	***	5		7	124408	י עם	-1
4007		10 11 11-383	+02 12 25.96	+0.0005	+0.003	5.16	2	5.09	2	4.67	2	38II-IIIP			v	- [
4006		19 11 23 486	+02 32 18.96		+0.012	8.9	6		1 1	i dan i		MA	6	124413		١
4009	V 842 AuL	19 11 23.400	+39 03 32 09		+0.003	4 • 38	2	4.24	2	3.57	2	B2IV		68010	DA5.	1
4010	20 ETA LYR	19 12 03.290	25 20 42 501		-0.025	4.83	2	5.38	2	5.70	2	DF5		147842		1
4011	42 PSI SGR	19 12 28 542	-25 20 40 58 L		+0.093	3.070		4.070		4.850	1	GGIII		18525		١
4012	57 DEL DRA	19 12 32.824	+67 34 25 02	10.0130	+0.008	7.7	4	[1 1	100		SE	4	143184	V	1
4013	w A⊗L	19 12 41 68	-07 08 08 41			5.12		i .		100		K2III		31497	100	1
4014	54 DAA	19 13 01.63	+57 37 05.71		-0.069	5.55	i					A1		д69д7		
4015	1 SGE	19 13 08.01	+21 08 36-41		+0.013		1.	1	1			FD		211117	V.	١
4016	RY SaR	19 13 16.93	3 -33 36 40.91		+0.025	6.1	1		1			MSE	ц	162394	V	
4017	R SGR	19 13 45.77	9 - 19 23 49 00		+0.019	6.7	4		1		١. ا	A2	-	124455	ļ	
4018	22 N AUL	19 14 02.48	5 + 04 44 42 • 26		-0.015	5.38	l _					B3IV		87010	DV2	.
		19 14 03 97	3 +21 18 03 13		-0.001	4.77	2	4.73	2	4,18	2			68065		.
4019		10 14 37.85	3 +38 02 37 • 02	-0.0005	+0.004	4.37	2	5.62	2	6.85	2	KULI			ית	
4020		10 14 30 01	2 +09 15 13.32		+0.015	9.1	6	1	1	1	İ	FO	6	124466	,v	-
4021	V 342 AUL	19 14 37 52	-19 02 37.10		-0.015	5.03	1	1.5	1			GRII	ļ	162413		i
4022	43 -D SGR	19 14 42 37	7 11 70 17 03		+0.016	5.06		1				A3	١.	104601		
4023	25 OME- 1 AQL	19 15 28 10	7 +11 30 13.93		+0.005	6.9	4					88	-4	в7035	V	1
4024	RS VUL	19 15 32 25	2 +22 21 00 •57			5.30		1	-	i		BO.SIV	1	97036	DV	-
4025	ES VUL	19 15 36.58	+22 56 03 18		-0.004	3.760	1.	4.730	1	5.470	11	KOTII		31537		
4026	1 KAP CYG	19 15 56.78	6 +53 16 31 87		+0.125		1	1 -1.00	1	"	1	K2II-III		124487	DV?	
4027	23 AuL	19 15 59.79	2 +00 59 34.10		+0.020	5.15	1	1	1	1	10,	GG9		124402		
4028	24 AJL	19 16 17.40	4 +00 14 47.21		+0.013	6.34		1	1			NO T	6	162465	ΙV	
4029	V1942 SGR	19 16 17.82	4 -16 00 03.03		+0.003	7.2	6			l			١ ٥	9366	V2.	
4030	60 TAU DRA	19 16 31.47	2 +73 15 47.87	-0.0330	+0.111	4 • 45	2	5.70	2	7.15	2	KSIII	٠,	104708	ν̈́	
	V 889 AgL	10 16 34 38	3 +16 09 27.96	-0.000	2 -0.004	8.2	6				1	A	6		l v	
4031		10 16 37.05	7 +19 31 04 • 09	+0.001	+0.003	6.5	1	1	1		1	B7111+K11		104711	1	
4032	U SGE	19 10 31:03	1 +12 16 51.58		+0.022	5.34	1	1	1		100	F2III	7	104722	ν	
4033	28 A AGL	19 17 19 627	9 +11 26 27.55		7 +0.027	5.99		6.060		1.0	1.5	A3V	1	104728		
4034	20 OME- 2 AUL	19 17 31.69	9 111 20 27 55		5 +0.048	5.10					.	GBIII-IV	1	143286		
4035	26 -F AUL	19 17 52 12	0 -05 30 38.65		2 +0.007	5.49	2	5.45	2	5.22	12	89		143292		
403b	27 -D AUL	19 18 00.84	3 -00 59 11.83			3.930	1			4.290	1	FOIV		162512		
4037	44 RHO- 1 SGR	19 18 46.40	1 -17 56 34.67		8 +0.024	5.05						AO	1	246055		
4038	ETA TEL	19 18 49 41	1 -54 31 07.68		1 -0.069		1		2	4.18	2	A PEP		162518	l V	
4039	46 UPS SGR	19 18 51.83	4 -16 03 01.82		0 -0.006	4.61	16	7.12	15	7,10	-	GG9	ľ	162521	1	
4040	45 RHO- 2 SGR	19 18 55.91	2 -18 24 10.03		0 -0.092	6.02	ـ اـ	7 000		7		Bav	1	229646	D	
4041	BET- 1A SGR	19 19 02.81	6 -44 33 17.72		6 -0.018	4.00	2 15	3.929					1	229647	l D	
4042	BET- 18 SGR	19 19 05.39	9 -44 33 10 21		6 -0.005	7.928			12	7.528	7 2	A3	ļ		"v	
	Z VUL	19 19 35 30	2 +25 28 44 04	+0.000	4 -0.000	7.38			.1.			B4V+A2-31	† ′	229654	1	
4043		10 10 36.61	1 -44 53 44.93	+0.009	1 -0.052	4.29			2	4.70	2	DF1	1		1	
4044		10 20 20 00	6 +65 37 05.16		7 +0.042	4.59	2	4.61	2		2	AZIV	1	18299	1	
4045	58 PI DRA	19 20 24 02	12 -40 42 43 10		6 -0.121	3.97			2	3.54	2	BOILI	1 .	229659		
4046	ALP SGR	19 20 25 49	2 -40 42 43 10		21-0.008	5.18	lz		2		2	B6III	1	87136	۸5	
4047	J 3 VUL	19 20 47.90	5 +26 09 54.85			5.96		6.01	- 1			AM		104797		
4048	2 SGE	19 22 07.27	6 +16 50 20.54		3 -0.010				2	4.16	2	BSIV	1	87159		
4049	Z CÝG	19 22 09.19	9 +29 31 20 47		1 +0.014	4.97					-	DAS		188101	D	
4050	47 CHI- 1 SGR	1 40 00 1/1 01	2 -24 36 26.63	1 +0.004	1 -0.054	5.03	2	5.26	16	. 1		LUNG	l l		1 1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

	STAR	RT. ASCEN.	DECLINATION P	RA PM	DEC	VISUAL	V N	BLUE	B N	IJΨ	Z C	SPECTRAL CLASS	\$ N	5A0 C/T.NO.	STAP PROP.	0
NUMBER	DESIGNATION		DEV ((). 3.3			,,,,,,			\vdash		-		\vdash	188105	V۶	†
4051	49 CHI- 2 SGR	19 22 28.169	-24 03 43-16	-0.0010	-0.004	5 • 56						GK4 AO	14	104804		
4052	3 SGE	19 22 30.479	+16 51 28 42	+0.0026	-0.008	6.76	4				١,		"	104807	V?	
4053	31 -B AJL	19 22 35.096	+11 50 09 47	+0.0492			2	5.94	2		2	GBIV		124603	V?	
4054	30 DEL ANL	19 22 58.597	+03 00 48 98	+0.0169		3.360		3.680	1	3.720	-	FOIV	4	31632	v	
4055	CH CYG	19 23 14.181	+50 08 31·02	-0.0009			4					MB KOIII	"	104818	ם ו	1
405b	4 VUL	19 23 16.878	+19 41 57 - 23	+0.0066		5.19		6.160	ا دا			1		188121	l "	
4057	50 5GR	19 23 20:271	-21 52 38 41	+0.0024			2	6.81	2		1	GK3 NB	4	9404	V	1
4058	UX DRA	19 23 22.408	+76 27 41.68	-0.0036		5•8	4	8.670	I, I		1	F5	: 4	48421	v	1
4059	RR LYR	19 23 52.140	+42 41 11.91	-0.0110			2	7.34 5.27	2	5.78	2	FZIB	"	124628	1	1
4060	32 NU AQL	19 23 57.612	+00 14 14.84	-0.0002			۱ ۲	5.580		3.10	۲	Anv	10.0	104831	İ	
4061] 5 VuL	19 24 02.155	+19 59 49 81	+0.0001		5.63		5.010				ASI	1	68301	1	1
4062	4 CYG	19 24 20.985	+36 12 59 35	+0.0001		5•12 8•8	6	3.010				1		48466	V ·	1
4063	TT LYR	19 25 57.680	+41 35 55 51	-0.0028		5.56						Ao ·	1	31673		
4064	7 CYG	19 26 12 441	+52 13 04.35	-0.0021		5.80	2	5.88	2	5.95	2	AO		124675	1	1
4065	35 -C AQL	19 26 29 255	+01 50 48 66	+0.0043		6.41		*****	Ι-	" • " •	1	DF6		246131	1	1
4066	MU TEL	19 26 31.603	-55 12 53 33	-0.0093		4.45	2	5.95	2	7.77	2	MOIII		87261	i	
4067	6 ALP VUL	19 26 37.410	+24 33 44.89	+0.0014		6.20		7.300	-			G4		143454	י עמ	1
4068	U AGL	19 26 39.930	-07 08 53-40	-0.0001		5.83					1	GG6	1	97267	1	ı
4065	l β V∪L	19 26 51.755	+24 39 51 - 71		-0.019	6.34	Ι.	6.230	1			85V		97269		1
4070	7 V∪L	19 27 09.914	+20 10 31·11 -02 53 40·34	+0.0012		5.22	ľ					MIIII		143482	V?	1
4071	36 -E AQL	19 28 02.900	+03 20 19-11	+0.0005		6.32		100	1	l .	ì	AOP	1	124704	V	1
4072	V 923 AgL	19 28 02.933	+51 37 20.98		+0.130	3.790	1	3.930	1	4.040	1	A5V		31702		-1
4073	10 IOT CYG	19 28 26 674	-02 12 59.83		+0.002		4	1				B8	4	143494	DV	- -
4074	V 822 AUL				-0.002	3.080	1	4.210	1	4.830	1	K511?+B?	1	87301	D	ı
4075	6 BET- 1 CYG	19 28 42 222	+46 02 31.72		+0.010	6.4	4					M4	. 4	48521	_ v	
4076	AF CYG		+27 51 32.68		+0.002	5.11	2	5.01	[2	4.69	2	B8V	1	87302	D	
4077			+31 45 35.97		-0.005	8.2	6		1			MB	6	68445	V	- [
4078	V1125 CYG		+34 20 44.00		-0.000	4.74	2	4.61	2	3.94	12	B3TV	İ	68447	1	1
4079	V3790 SGR				-0.019	7.4	6				- [M2	6.	162748	l v	
4080	V1293 AGL				-0.001	6.82	4		1			MSIII	7	124777	y	-
4081	Z PAV	19 30 54-529	-62 52 07.13	+0.0032	-0.034	9.1	7				1	MB	6	254601	٧.	- 1
4082 4083	V1294 AGL	19 31 07-185	+03 39 07 - 84		+0.001	6.78	4	6.80	7			BIIVEV	7	124788	V	-
4084	V 450 AGL	19 31 18.040	+05 21 23.91	-0.0011	-0.025	6.73	4			1	. [MB	4	124789	ľv	- 1
4085	AQ SGR	19 31 27.098	1-16 29 02.23		+0.010	8.5	6	1			1	NB	6	31761	l v	ŀ
4086	XZ CYG	19 31 27.372	1 +56 16 47 • 18		-0.019	9.2	6				1	A3 COTTT	1 0	229751		ı
4087	IOT TEL	19 31 30.714	-48 12 32.55		-0.036	4.90	2	5.99	2			G9III K3III	1	124799	DV?	1
4088	38 MU AGL	19 31 38.752	+07 16 16 89		-0.157	4.45	2	5.63	2	6.87	2	GRITI	1	162792	1	- [
4089	57 -K AGL	19 32 21.954	-10 40 16 41		-0.003	5.24		1, 00	٦	, , ,,,	1	B7V	1	104990	D.	- 1
4090	9 VUL	19 32 23.047	/ +19 39 46.38		+0.003	4.99	2	4.92	2	4.49	2	Kov	1	18396	\ ′∨?	١
4091	61 SIG DRA	19 32 27.585	5 +69 34 34 10		3 -1 - 744	4 69	2	5.49	12	5.86	12	F5+A0	1	87385	1 "	-1
4092	G CYG	19 32 51.638	+29 21 06.78		+0.026	5.32	٦		1		1	GO	6	124824	V	1
4093	V 417 AGL	19 32 56.560	+05 43 38.50		-0.007	10.0	6	5.86	2		1 -	AM	1 ''	188326	V?	I
4094	51 -H- 1 5GF	19 32 59.600	-24 49 49.11		-0.022	5.67	7	6.53	7			AOP	6	48604	v	
4095	V1264 CY6	19 33 09.002	2 +43 50 06 • 00		+0.006	6.58	ĺź	4.54	ĺź	4.39	2	B9	ľ	188337	D	1
4096	52 -H- 2 SGR		-24 59 44 24		2 -0.018	4 • 60		7.57	-	7.03	15	AO	6	87421	v	ı
4097	V 909 CYG	19 33 52.28	+ +28 10 01 26		-0.001	9.1	6	5.660	, l			Bav	١	68552	1	١
4098	11 CYC	19 34 00.41	5 +36 49 57 • 06		-0.001	5.78	1,	_	2	3.83	2	85111		143597	DV?	-
4099	41 IOT AGL	19 34 08.06	7 -01 23 55 88		1 -0.016	4 • 36	2		2	4.09	2	B0.5111	1	143600	V?	1
4100	39 KAP AQL	. 19 34 12.07	2 -07 08 24.73	1 +0+000	0-0-004	4.96	14	7.90	16	7.07	1	50.00.0			·	┙

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	12-01-1	N		B N		U N	SPECTRAL CLASS	5 N	SAA CAT-NO+	STAR PROP.	G
			<u> </u>	-0.0003	-0.010	6.6		7.74	7			G5		g7447	٧	
4101	U VuL	19 34 26.480	1+20 13 12.31	+0.0013		5.54			l'I			GAIII		105061	ייס ס	1
4102	4 EPS SGE	19 35 01.520	+10 20 37 07	-0.0025		4.47	2	4.86	2	4.84	2	F4V		31815	Ĵ	
4103	13 THE CYG	19 35 05.974	-04 45 38.28	+0.0069		5 - 52						DF1		143621	200	1
4104	42 AQL	10 35 00 149	+50 05 11.53	-0.0006		5.6	4		1	4	. 1	SF	4	31822	V	1
4105	R CYG	10 36 03 517	+05 16 56.88	-0.0001		5.0		5.040	7			B3V		124903	n۷	1
4106	44 SIG AQL	10 36 40 241	-23 32 34.90	+0.0001		6.24						AO		188407	ŋ	1
4107	53 S ₆ R	19 30 72 20 016	+30 02 13.10	+0.0000		4.70	2	5.65	2	6.44	2	GRIII-IV		68637		ı
4108	12 PHI CYG	19 37 24 013	+54 51 21.62		+0.169	5.82			1 1			DF4		31850	٧	1
4109	V1143 CYG	19 37 33.734	+42 42 06.22		+0.030	5.36		5.280				AP	21 L	48691		1
4110	14 CY6	19 3/ 40+/20	-16 24 33.95		-0.045	5.45		-		- 11 ₀₀		K2III		162883	ŋ	1
4111	54 S6R	19 37 51 612	+17 53 51 21		-0.020	4.37	2	5.14	2	5.57	2	GOII		105120	D	
4112	5 ALP SGE	10 34 68 772	-00 44 18.60		+0.017	5.52		l .				A2		143678	Ü.	- [
4113	45 AQL	19 30 00 172	+13 41 53.57		-0.014	6.1	1			1.0		B3		105132	טע:	1
4114	OS AQL 6 BET SGE	10 34 48 120	+17 21 31.95		-0.033	4 • 37	2	5.42	2	6.31	2	GRII		105133	ļ	1
4115	1. 1 The first of the second of Table 1	19 30 40.123	+32 30 02 21		+0.002	8.0	6	1.5		1.5		N3E	7	68688	V	ı
4116	TT CYG BR CYG	10 39 25.249	+46 40 01.61	-0.0012	+0.016	9.1	6							48721	V	ı
4117		19 39 39 567	-16 14 33.95	+0.0044	-0.010	5.06	2		2			FOII		162915		1
4118		19 39 52 007	+12 04 28 62		-0.002	6.24		6.230		1		BSIII		1n5156	200	1
4119 4120	46 AQL 47 CHI AGL	19 40 12.766	+11 42 27.07	-0.0002	-0.005	5 - 22			1.			DF3+A3		105168	DV?	1
4121	16 -C- 1 CYG	19 40 29 115	+50 24 30 • 26	-0.0162	-0.151	5 • 95	2	6.59	2		2	G2V	1	11898	D	ı
4122	16 -C- 2 CYG		+50 24 02.76	-0.0146	-0.160	6.20	2	6.86	2	7.07	2	G5V		31809	O V	1
4123	RX OCT		-78 50 56 99	+0.0320	-0.007	9.1	6		1		٠.		1	257730	V	1
4124	V1276 CYG		+29 12 41.39		+0.049	6.39	7	1 _	1_ :			FO	ļ	87612 31906	υν	1
4125	V1351 CYG	19 40 57.796	+55 20 40·10		-0.038	5.35		6.92	7]	GM5		87633	1 "	-1
4126	10 VUL	19 41 38.098	+25 39 03·92		+0.022	5.34			1		1	GRIII	4	48773	V	1
4127	RT CYG	19 42 12.630	+48 39 25 77		+0.019		4				ļ.	MBE	4	105199	1	-1
4126	48 PSI AQL	19 42 14.523	+13 10 53 69		-0.004	6.12		6.080	1		1	BRIV		68778	1	- 1
4129	15 CYG	19 42 28.301	+37 13 56 98		+0.035	4 • 85			1.		1	GBIII		87659	V	1
4130	SU CYG	19 42 48.509	+29 08 34 • 10		+0.000	6.4		6.820	1'	200		F2P M3III		48789	v.	١
4131	V 973 CYG	19 43 07-120	+40 35 42 40		0.021	6.26	٦		1.		2	AZ		125032		١
4132	49 UPS AUL	19 43 13.917	+07 29 26 45		+0.004	5.91	2	6.09	2	6.18 2.750		B9.5111	1	48796	DV?	
4133	18 DEL CYG		+45 00 28.23 C		+0.049	2.870	' -	2.850	1	2.750	*	KIIII	1	162964		1
4134	56 -F 5GR		-19 52 58 53		-0.087	5.06	6	1	Ī		l	110	6		l v	1
4135	UW S∪R	19 43 32.556	-18 16 30 22		-0.024	8 · 8 2 · 720		4.240		5.920	١,	KSII	1 "	105223		ı
4136	50 GAM AQL		+10 29 24.38		+0.002			5.55	2	3.720	1*	AM	1	246271		
4137	NU TEL		-56 29 05 84		-0.135	5.35 4.99	2	5.45		5.45	2	F5V	1	68827	l n	-1
4138	17 A CYG	19 44 31.601	+33 36 36 80		-0.445	9.2	4	3.43	1-	3.75	-	K5	4	68830	D	1
4139	17 B CYG	19 44 33.595	+33 36 45 69		-0.438	7.3	4				١.	M3E	4	257742	V	. 1
4140	T PAV		-71 53 52.31		0.008	3.830		5.240	d,	6.200	11	M2112+8?		105259	٧۶	Ì
4141	7 DEL SGE	19 45 09.429	+18 24 34 68		+0.010	9.0	6	3.270	1	"""	1	G5	6	125084	V	- 1
4142	00 AQL	19 45 48.34	+09 11 01.52		-0.003	5.61	1			1 3 3 5 5 .	1	DF2+A2	1	105282	DV?	1
4143	52 PI AQL	19 46 20.639	+11 41 24.51		0.002	10.2	14				1	M2	4	87743	V	
4144	S VUL	19 46 20.66	+27 09 38 92			8.8	16					1	1	48854	V	1
4145	V1154 CYG	19 46 37.438	3 +43 00 04 94		7 +0.028	5.00	2	5.10	2	5.16	2	A3V	I	105298	ם	
4146	B ZET SGE	19 46 45 41	+19 00 55 53		+ +0.031	8.8	6		-	3,13	1	M2	1 6	32028	V	ı
4147	V 697 CY6		3 +52 39 28 61		2 +0.013	1	10					FOIV	1 ~	163036	D	١
4148	51 AQL		2 -10 53 30.81		1 +0 • 034	5.55 0.760	١,	0.980	1	1.070	11	A7V	1	125122	D	ĺ
4149	53 ALP AQL		+08 44 05.71		2 +0.387	3.820				5.230	li	GSIII	1	9540	DV5	1
4150	63 EPS DRA	1 19 48 21.06	3 +70 08 26 54	1 +0.015	4 +0+039	3.020	1.	7.72	1	1 3.230	1		1	1		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1999.0)

NUMBER	STAR DESIGNATION	PT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N	0	U N	SPECTRAL CLASS	S N	SAO CAT NO.	STAP PROP.	1
		19 48 21.623	-46 59 23.69		-0.0028	-0.013	8.1	6					AS	6	229902	٧.	Γ
4151	HO TEL				+0.0162		5.10						F8V		115338	ח	1
4152	54 OMI AGL	19 48 37.837	+10 17 21-17	ļ.,	-0.0024		4.23	2	6.05	2	7.01	2	57-1F		68943	. V	1
4153	CHI CYG	19 48 38 484	+32 47 11.78		+0.0007		5.24	-					GM2		68947	DV2	1
4154	19 CAG	19 48 47.504	+38 35 33 82		-0.0005		5.6						BilV?		48892	V	ŀ
4155	V 360 CYG	19 48 54 249	+40 28 17 49	1.	+0.0015		4.96	2	4.84	2	4.15	2	B3VE	1.	87813		L
4156	12 VUL	19 48 54 839	+22 28 53 99		-0.0000		5.99	-		-		<u> </u>	665		163060		ı
4157	57 SGR	19 49 17 736	-19 10 24.73	1	-0.0015		5.00	100					KSIII	14.4	32042	٧?	1
415 8	20 -D CYG		+52 51 37 60		+0.0004		6.73	7	7.87	7			F7IAB-K0I	7	87829	- V	1
4159	SV VUL		+27 19 52 77		+0.0013		8.2	6		ľ			G5	6	163067	V	1
416G	V1162 AQL		-11 29 46.22				3.600		4.270	١, ١	4.800	l٠	F6IB	_	125159	V ·	1
4161	55 ETA AQL	19 49 55 525			+0.0005		6.22	2	6.23	2	5.31	2	OSF		105360	1	
41.62	9 SGE		+18 32 31 85		-0.0002		6.5	-	0.20	-	J	1	A1V+F6?	7	163080	V .	1
41.63	V 505 SGR	19 50 17.153	-14 43 57.84				9.1	6	1000	1		ļ.	''•		69006	V	Ţ
41.04	V 480 CYG	19 50 33.743	+34 28 51.02		-0.0032		5.64	0	5.84			1	A5P	7	143883	V	1
41.65	V1291 A _O L		-03 14 43.33	1	+0.0014		6.8	4	J•67			1	M7E	4	246334	l v	1
41.66	S PAV		-59 19 37 62	1	+0.0004		4.58	2	4.52	2	4.39	2	ADIII		87883	ו פו	1
4167	13 V∪L	19 51 20.091	+23 56 52.78		+0.0019			٦.	7.55	۱۲.	7.07	-	GK5		143894		١
4168	56 AQL	19 51 25.493	-08 42 19.98		+0.0001		6.02 7.7	6		1			M3	7	69031	l v	1
4169	V 449 CYG	19 51 26.823	+33 49 07.16		-0.0027			l۳				1	BO.5IIIP	1 '	48940	l v	1
4170	V 819 CYG	19 51 32.369	+47 40 36 27		-0.0013		6.16	١.	5.210	١,	6.025	١,	KOIII		229927		Ŧ
4171	IOT SGR		-42 00 05.48	1	+0.0013		4.125	2	5.73	2	6.62	2	KOIII		125210	1	1
4172	59 XI AQL		+08 19 50 • 59	l.	+0.0066		9.0	6	3.73	١٤	0.02	1	An	6	87898	V .	- [
4175	AT VUL		+23 25 58 51		-0.0003		5.70	2	5.62	2	5.13	2	B5N		143898	n	1
4174	57 A AGL		-06 21 32.32		+0.0004		6.48	2	6.44	2	6.17	2	BBN		143809	n	1
4175	57 B AQL		-08 22 07.69		+0.0012		5.53	~	0.41	۴	0.1	-	AO		125219		-
4176	58 AQL		+00 08 29.86	١.	+0.0026		5.01		4.880	i		١.	85V		32085	1	
4177	23 CYG		+57 23 30.98	-	+0.0006		9.4	6	.4.000				An	۱ 6	188715	l v	-1
4178	V2617 5GR	19 52 18.388	-24 06 10 64	1	+0.0024		4.700		5.450	١,	5.770	١,	DG5	"	188722		1
4179	58 OME SGR		-26 26 01.47		+0.0155				4.580		5.070		GBIV		125235	DV2	١
4180	60 BET AGL		+06 16 49.84		+0.0029		3.720	1.	6.200		3,010	11	F6IB	1	1ŋ5436	V	ı
4181	10 S SGE		+16 30 03.99		+0.0002		5.40	1	5.210		1	1	AIV		105438	1	- 1
4182	61 PHI AQL		+11 17 22.88		+0.0021		5 • 23	2		2	7.52	2	GK3		188742		4
4183	59 -B SGR	19 53 52.875	-27 18 14.61		+0.0007		4 • 50		4.86	2	4.34	2	BEIII	1.	69101		- 1
4184	22 CYG		+38 21 10 - 14		-0.0003		4.95	2	5.04	2	5.10	2	ASTV-V	1	32114	י פו	1
4185	24 PSI CYG		+52 18 19.76		-0.0045		4.92	1	4.960		5.840		KOIII		69116	DV2	ı
4186	21 ETA CYG		+34 56 58 23			-0.026	3,930		3.920		3.860		ADV		257757	V?	1
4187	EPS PAV		73 02 43.83		+0.0188		3.960	1	3.920	1	3,000	1	VISA	1	163141	1	- [
4188	61 -6 S6R		-15 37 32.32			-0.098	5.05	١.,				1	M4E	4	229959	l v	1
4189	RU SSR	19 55 16.833	41 59 07 80			-0.122	6.8	7	9.73	7	1	1	K2	6	87980	v	-
4190	X VUL		+26 25 16.31			+0.003	8.46	1′	5.310	9 '		1	BOIV		105471		
4191	11 SGE		+16 39 11.54			+0.018	5.38	٦		4	7 60	2	GKO	1	254702		- [
4192	MU - 1 PAV	19 55 32.272	-67 05 01.32	1		-0.196	5.76	2	6.80	2	7.60	٦	AO	6	32137	V	1
4193	V 548 CYG	19 55 47.031	+54 39 50+79	1		+0.019	8.5	6			4 25	2	GG5	1 0	188778		- [
4194	60 A SGR	19 55 54.576	-26 19 57-29			+0.034	4.82	2	5.71	2	6.25	۱۶	F2	6	32144	V	j
4195	CQ CYG	19 56 24.243	+53 10 26.37	1		-0.001	8.9	6	0	7		1	BOIBEV	1 7	69181	ľv	1
4196	V1357 CYG	19 56 28 843	3 +35 ₀ 3 54•51	1		-0.018	8.6	6	9.40				BUIDEV	1 '.	211716	1	- 1
4197	THE- 1 SGR		3 -35 24 47.51			-0.024	4 • 36	2	4.21	2	3.54	2	KSIII		105500	I	1
4198	12 GAM SGE	19 56 31.936	1 +19 21 18 47			+0.025	3.470	11	5.040	1	6.970	1			211717	D	١
4199	THE- 2 SGR		3 -34 50 03-17	1		-0-074	5.34	1		i			A M?	1		1	
4200	14 Vul		+22 57 50.35		1-0.0052	+0.009	5.63	1	1 :	1	1	1	F0	1	88016	1	1

TABLE 4 CONTINUED
STAR LESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION		RT. HR MN			DEG M				RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	JV MAG.	U N	SPECTRAL CLASS	5 11	5A0 C-T.NO.	STAR PROP.	(
4201	MU - 2 PA	v	19 57	7 01	.732	-67 0	4 54.	09	+0.	0066	-0.072	5.31	2	6.53	2	7.82	2	GKO		254707		
4202	V 393 CY		19 57	7 09	049	+43 0	9 30•	78	-0.	0047	-0.025	9.0	6		l i	1.5		An	6	49051	V.	1
4203	BS D	łΑ	19 57	7 12	641	+73 2	8 48.	10	-0.	0000	-0.012	8.8	6	Marie Barrell				F5	6	9579	٧	1
4204	QZ CY	rG	19 57	7 15	.939	+38 0	7 29.	65	-0	0013	+0.004	9.3	6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100				49206	V	1
4205	NU PA	V	19 57	7 32	635	-59 3	0 51 •	86	+0.	0021	-0.029	5.12		6.67	7	7.67	7	GM6		246389	V	1.
4206	13 VZ 56	3E	19 57	7 47	.758	+17 2	2 43.	03	+0.	0002	-0.010	5.39						GM4		105522	אָרַי	1
4207	25 CY	rG	19 50	3 05	.067	+36 5	4 17.	27	-0	0001	+0+0n6	5.20		5.030				B3VE		69231		1
4208	15 Vi	الا	19 59	02	403	+27 3	6 51•	43				4 • 65	2	4.83	2	4,99	2	A M	1	88071		L
4209	63 S	,R				-13 4					+0.018	5.76			1 !		1	A2		163195	Ì	1
4210	V 485 CY	rG				+33 4					+0.050	8.6	6					MC	6	69264	V	1
4211	62 - C Se	,R	19 59	35	183	-27 5	1 01.	64		- · · · ·	+0.019	4 • 590	1	6.240	1	8.050	1	MAIIT		188844	_ v	i i
4212	1 _b V _U	الر				+24 4					+0.072	5.21			1.5	1 1		F5II		A8098	Ü	1
4213	26 -E CY					+49 5					+0.006	5.18		6.280				K1II-III		49098	ם .	
4214		Y G				+51 5					+0.008	9.0	6					A2	۴.	32207	V	1
4215	V1295 Ag					+05 3					+0.003	8.6	6					A0EP	7	125381	V	1
4216	64 - E D _F					+64 4					-0.010	5.23					١.	GM1		18658 9606	1.	ı
4217	69 D _r					+76 2					-0.056	6.20	S	7.81	2	9,70	2	MSIII		105615		1
4210	14 50					+15 5					-0.003	5.50		5.370	ا ۱		1	B8II-III		125403	1	1
4219	63 TAU AC					+07 0					+0.013	5.52	2	6.58	2	7.44	2	GKN		18669		1
4220		٦A.				+64 2					+0.012	6 • 54	ا ۾ ا	6 00	1	0.33	1	GG7 GK4		144045		
4221	6ž At					-00 5					-0.116	5.68	5	6.98	2	8.33	2	I compared to the compared to	6	69334	ĺν	
4222		Y G				+36 1					-0.003	8.2	6	c 1.1	_	c En	2	B2 D G1		105635		ı
4223	15 50					+16 5					-0.411		2	6.41	2	6.5n	-	GF4		163245	l.	1
4224	64 50					-11 4					-0.012	6.46	ے					1654		69357	v	1
4225	CD CY					+33 5					+0.007	9•1 4•50	6	5.81	2	7.31	2	кзіті		18676	"	ı
4226	67 RHO D										-0.010		6	2.07	٦	1.01	۱۴.	NP	6	69360	v	ı
4227	AA C					+36 4 -12 4					-0.049	6.41	C .				10	AO	0	163253	1	ı
4228	65 SG					+19 5					+0.083	5.08						KZIII		105659		
4229	16 ETA So					+31 4					-0.016	8.5	6	10 m		1000	1	An	6	69381	Ιv	1
4230	V 477 C ₁ XI Τ _Ε					-53 n					+0.010	4.930		6.540	1	8.370	١,	M2III		246443	'	1
4231		AV				-66 1					-1.141	3.560		4.320		4.780		GBV	1	254733	V?	1
4232 4233		5R				-27 2					-0.063	7.8	6	1000	1	1.00	1	MB	6	188923	v	Т
4234		Y G				+35 1					+0.005	8.3	6		1.0	l in the M	1	В3	6	69410	V	Ι.
4235		YG				+35 5					-0.435	5.33	2	6.18	2	6.72	2	KOIV	"	69413		1
4236	· · · · · · · · · · · · · · · · · ·	Y G				+35 3					+0.014	8.3	6				1	1 4 1 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	l	69422	V	Т
4237	17 V.					+23 2					+0.005	4.96					1	837		88212	i .	L
4238		₹Ā				+61 5					+0.076	5.40			1	} ·	1	KSIIT		18700	1	1
4239		ΥĠ				+46 0					-0.001	9.0	6		1		1.	A2	6	49198	V ·	1
4240	64 A(-00 4				-	-0.068		2	7.01	2	7.91	2	GK1		144095		
4241		Y G				+43 5					-0.010	8.2	6	1. 1. 1.	1	1	1	GO	6	49234	ν	- [
4242		ΥĞ				+30 2					-0.012	9.1	6		1		1	AD	6	69504	V .	
4243		YG				+36 4			+0	.0001	+0.016	4.92	2	4.80	2	4.02	2	B3VE		69518	1	1
4244		A۷	20 0	7 34	.184	-60 0	5 09.	20	+0	.0059	-0.021	9.2	7.	1	1:0		1	MC	6	254747	V	1
4245	I am a man a man a man a man a man a man a man a man a man a man a man a man a man a man a man a man a man a m	SL				+10 1					-0.002	8.6	6				1	AO	6	105774	Į V	1
4246		GE				+20 4			-0	.0003	+0.009	7.29	4		1	1	1	K2	4	88270	יי	1
4247		GΕ				+20 4			+0	.0042	+0.103	8.6	4		1			G5	- 4	88275	ס	1
4248		GE				+20 4					+0.103	6.48	2	6.86	2	6.82	2	DF1	1	88276	D	
4249		ŭΕ				-01 4					-0.010	9.2	6]	1		1	M8	6	144135	ν	1
4250		υL				+26 4					+0.016	5.53	2	5.61	2	5.74	12	ASIII	l .	88295		1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

Unber	STAR DESIGNATION	RT. ASCEN. HR MN SEC		P N	RA DEC PM PM	VISUAL MAG.	Ŋ	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S III	SAN CAT.NO.	STAP PPOP.	
4251	R CAP	20 08 30.184	-14 25 02.37		+0.0003 -0.004	9.1	4		Г					163323	V	1
4252	65 THE AUL		-00 58 16.06		+0.0024 +0.007	3.220	1	3.150	1	3.030	١,	89.5111		144150		
4253	1 X1 - 1 CAP		-12 32 32.44		-0.0006 -0.016	6.44		0.100	ļ.Ť.,	3.050	1	KnIII	1	163328		
4254	RX CYG		+47 39 49.46		-0.0018 +0.015	7.5	4					B3	- 4	49282	V	
4255	S AgL	20 09 19 377	+15 28 13.07		+0.0013 -0.020	8.4	4	76 73 3			1	63		105807	v	- [
4256	RW AGL	20 09 33.665			-0.0000 +0.007	9.1	6	1.0			1			105817	V ·	
4257	2 XI - 2 CAP	20 09 38.773			+0.0132 -0.193	5.88	[D				1	F8V			l v	ļ
4256	19 VUL	20 09 42 523			+0.0004 -0.007	5.49	2	6 00	٦	0 110	٦			163337		i
4259	20 V _U L	20 09 54 805			+0.0005 -0.008	5.92	2	6.90 5.81	2	8.40	2	B7VE?		88330		
4260	V1042 CYG	20 10 00.785			-0.0000 -0.009		6	2.91	-	5,38	2	1		88339		
4261	1 KAP CEP	20 10 36.574			+0.0030 +0.027	8.2	2	11 7/1	١,		١,	OA	<u>۸</u>	69584	V	
4262	66 AgL	20 10 38.946		١.		4.39	-	4.34	2	4.25	2	BOILL		9665	יי	
4263	68 DKA	20 10 45 865			+0.0013 -0.026	5.64			1			GK5		144191	į	ı
4264	AC CYG		+49 17 55.84		+0.0170 +0.085	5.67						DF5		18751		
4265					+0.0008 +0.026	8.1	6					MC	6	49327	y	
4266		20 11 34.543			-0.0006 -0.002	6.8	4		1		l	NOE	- 4	69636	٧	٠.
	· · · · · · · · · · · · · · · · · · ·	20 11 41.183			+0.0015 -0.006	8.5	6					BA	6	88380	V	
4267	30 CYG	20 11 43.632			+0.0008 +0.001	4 • 83	2	4.92	2	5.08	2	AZIII	1	49332	DA5	
4266	R SGE	20 11 46.705	1+16 34 26 20		-0.0000 +0.008	8.6	4			1.		G5	4	105871	Α.	
4269	67 RHO AJL	20 11 57.746	1+15 02 38 - 36		+0.0040 +0.057		2		2		2	A2V	1	105878		
4270	31 OMI- 1 CYG	20 12 03.343			+0.0000 +0.005	3.800	1	5.080	1	5.500	1	CK1P	1	49337	U.A.	
4271	21 VUL	20 12 11.169			+0.0009 -0.019	5.12						A3		88391		
4272	35 CYG	20 12 14.137			+0.0073 +0.085		2		2	4.40	2	A3IV-V	1	32378		
4273	V1372 CYG	20 12 18.456			-0.0048 -0.048	7.12	4	7.09	7.			A4P	7	32379	V	
4274	R DEL	20 12 30.219			-0.0010 -0.025	7.6	4				1	M5F	4	125610	٧.	
4275	ا∟ن A ک	20 12 31.087			-0.0041 -0.013	9.8	6				l	K	6	144210	V	
4276	29 -B- 3 CYG	20 12 39.579	+36 39 07.85		+0.0054 +0.071		[2]	5.11	2		2	A2P]	69678	ĺ	
4277	22 VUL	20 13 20.548	+23 21 17.26		-0.0001 -0.012	5.15	2	6.19	2	6.90	2	G2IA	1	88416		
4276	CAP	20 13 36.771			+0.0006 -0.012	6.41		6.420		1 1		B9		163402	יס ו	
4279	23 VuL	20 13 41.706			-0.0028 +0.011	4 • 52	2	5.78	2	6.89	2	KSIII		8842B		
4280	32 OMI- 2 CYG	20 13 55.487	+47 33 35 68		-0.0003 +0.010	3.980	1	5.500	1	6.540	1	KO+A3		49385	עמ	
4281	18 S ₀ E	20 14 07.850	+21 26 38.76		-0.0000 -0.022	6.12	2		2	8.08		KIIII		88433		
4282	24 V _U L	20 14 38 627	+24 30 57.46		+0.0012 -0.015	5.32						GBIII	1	88451		
4283	5 ALP- 1 CAP	20 14 52.647	-12 39 51.04		+0.0013 +0.002	4.26	2	5.34	2	6.15	2	GSIB		163422	D	
4284	SIG OCT	20 15 03.002	-89 n8 18.48		+0.1170 -0.001		2		2		2	FO		258857		
4285	4 CAP	20 15 05.269	-21 57 57.37		+0.0024 -0.025		ا و ا	6.87	2	2.00	-	GAIV	l .	189114		
4286	6 ALP- 2 CAP	20 15 16.878	-12 42 04.49		+0.0042 +0.005	5.87 3.580	1	4,530	ī	5.220	1	GGIII		163427	D	
4287	34 P CYG	20 15 56.500	+37 52 35.55		-0.0007 -0.002		2		2		2	ВР	ı	69773	v	
4288	AE CAP	20 16 07.504		11	+0.0018 -0.020	8.4	6	-	-		_	M4	6	163437	· v	
4289	7 SIG CAP	20 16 30 618		1	+0.0004 -0.006	5.46		1				KSII		163445		
429u	36 CYG	20 16 36.103			+0.0028 +0.027	5.50		5.560				A3V		69803		
4291	35 CYG	20 16 43.763			+0.0002 -0.005	5.17	2		2	6.29	2	F5IB	1 :	69806	٧?	ı
4292	V 382 CYG	20 16 53.882			-0.0002 +0.012	8.6	6		Ţ.		- 1	1		69812	v	
4293	EG CEP	20 17 17.004		- 4	+0.0090 +0.033	9.2	6			1		A3	6	9710	v	١
4294	V 470 CYG	20 17 35.495		. " 4	+0.0025 +0.022		6					""	,ن	49467	v	-
4295	V 444 CYG	20 17 42.589			-0.0007 +0.001	8.1	6		1			ОВ	6	69833	v	١
4296	V 478 CYG	20 17 48.267		1	-0.0018 -0.034	8.7	6					8	- 21	69836	v.	i
4297	B NU CAP	20 17 55.485			+0.0011 -0.018		2	4.72	2	4.51	2	Bov	6		-	1
4298	BET- 1 CAP	20 17 58 071			+0.0028 +0.001		'		٠	7.01	-			163468	D	J
4299	U CYG	20 18 03.211				6.16	,, 1	6.140	.			89		163471	D	ı
4300					-0.0050 +0.030	6.1	4		۱ ا			R8	4	49477	V	١
- 000 L	MY CYG	20 18 06.377	TJJ 47 [JJ+94]	- 1	+0.0019 +0.023	8.4	6					I A I	6	69850	V	•

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

1		STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N		BN	0,	Ŋ	SPECTRAL CLASS	S ,	SAT .NO.	STAR PROP.	,G N
-	MRFK				+0.0027	+0.003	3.080	1	3.870	1	4.140	1	F8V+40		163481	. n	
	4301	9 BET- 2 CAP	20 18 12.200 20 18 46.740	-14 56 26.57	+0.0010	1	5.62		5.570				В9	1	18817		\ \ \
	4302	71 DKA	20 19 04.166	-42 12 31 05	+0.0032			2		2	5.59	2	Anv		230177	5	
	4303	KAP- 1 SGR	20 19 04 100	-07 30 41.15	-0.0001		9.4	6					A2	. 6	144345	V	1
	4304	XZ AuL	20 19 02.400	+40 17 12.69	-0.0025		8.1	6				1	MC	6	49517	V	
	4305	V 405 CYG AC DRA	20 19 53.155	+68 43 13.55	+0.0030		5.99	•					GM5		18817	ν	ì
	4306		20 19 56.342	+24 17 07.72	-0.0001	-0.004	5 • 43		5.410		100		BIIVE		98580		1
	4307		20 20 25.927	+40 05 44.57	+0.0001		2.230	1	2.900	1	3.440		FBIn		49528	in۸۶	1
	430B	J7 GAM CYG KAP- 2 SGR	20 20 29.579		+0.0000		5 • 64	2	5.84	2		2	A3		230184	ח	
	4309	ALP PAV			+0.0019		1.940	1	1.740	1	1.030	1	B3IV	1	246574	٧?	1
1	4510		20 21 51.684	+32 01 39.89	+0.0031	+0.002	4.44	2	5.77	2	7.27	5	KSIII		69950	V	1
	4311		20 23 27.694	+27 12 18 65	-0.0007	-0.013	9.2	6		١.	İ	ļ	An	6	A8663	1 7	
	4312	BE VUL 10 PI CAP	20 24 27.627	-18 22 37.45	+0.0009	-0.010	5.20		5.130				B8	1 .	163592) v	
1	4313	T MIC	2n 24 52.534	-28 25 39 22	+0.0009	+0.003	7.1	4		1			M6E	4	9757	l v	
	4314	DAA UU	20 24 53.875	1+75 p5 22.04		+0.021	9.4	6		_		-	MC	6	49643	"	
	4316	43 CYG	2n 25 30.517	+49 13 00 41		+0.062	4.740		5.780	2	6,710	-	DF0		70051	V ·	1
	4317	V 78B CYG	20 25 33.554	+31 41 27 • 10		-0.009	9.3	6				1	0.71/	1	70056	1	
	4318	46 CYG	20 25 42.992	+38 16 30 • 61		-0.06B	5.38		5.410			'	A3V B9	ŀ	144468	n	1
	4319	68 AUL	20 25 47.782	-03 31 27 17		-0.013	6.03	١.	5.960	١,	- 0.7		F2IV		163614	ם	1
	4320	11 RHO CAP	26 00.601 מכ	-17 58 49 23		-0.020	4 • 81	2	5.18	2	5.23	2	MC MC	6	106153	Ϊ́ν	1
	4321	RS DEL	20 26 51.231	+16 06 21·71		-0.007	8 • 1	6	ءَ مُ	١,	7.00	2	A3	1 5	163625	10	
	4322	12 OMI- 1 CAP	20 27 00.634	-18 45 12-18		-0.088	6.74	2	6.96	2	1.00	1	MB	6	125861	l v	
	4323	CT DEL	20 27 01.824	+09 43 48-97		-0.015	7.5	6	6.02	2	6.32	2	AZ	١٣	163626	ם	1
	4324	12 OMI- 2 CAP	20 27 01.999	-18 45 00 - 30		-0.081	5.94	-	0.05	٦	0.32	1	KZIII	1	144495		1
	4325	69 AuL	20 27 02.213	-03 03 11.13		-0.017	5.11 4.020	١,	4.420	1	4.720	h	FSII	1	70095	1	
	4326	CYG.	20 27 21.052	+30 12 02.35		+0.002	5.88	1	6.360		1	1	AIIB	1 .	70096	1	
	4527	42 CYG	20 27 25.848	+36 17 12 73		-0.021	9.0	6	""	1		1	MC	6	144506	V	
	4328	TZ AUL	20 27 40 204	-04 55 22.71		+0.006	8.9	6		1	1	1	MB	6	1>5873	V	l
	4529	KN AGL	20 27 43.062	+01 42 29 28		+0.006	5.92	ľ	5.930	1	1	1	AOPE		106172	D	ı
	4330	1 DEL	20 27 34.200	+10 43 38-35		+0.011	4.95	2	4.86	2	4.23	2	B2V		49712	מ	1
	4331	45 OME- 1 CYG	20 28 30.540	+62 49 32 32		-0.011	4.22	2	4.42	2	4.58	2	A M		18897	j	
	4552	2 THE CEP	20 28 44.678	+36 45 59.07		-0.002	6.18	2	7.19	2	7.93	2	F5IAB	1	70135	ומ	1
	4333	44 CYG	20 29 05.136	+32 23 40 26		-0.006	9.1	6		Į.			NP	6	70151	V	
	4334	AD CYG	20 29 44 994	+32 21 07.80		-0.004	9.0	6		1			MA	. 6	70155	V	1
	4335	AI CYG	20 20 46 145	+49 03 02.97		-0.026	5.42	1		1		ı	GM2	1	49741	V>	
1	4336	46 OME 2 CYG	20 30 29.353	-44 41 13.91		-0.035	5.30			1	1	1	GG9		230276	1	1.
	4537	NU MIC 2 EPS DEL	20 30 49 400	+11 07 55.83		-0.018	4.040	1	3.920	1	3.440	1	Belli		106230	V2	
	4338	CZ DEL	20 31 12.721	+09 20 42.38		+0.010	8.1	6					MA	6	125953	V	
	4339 4340	PHI- 1 PAV	20 31 27.383	-60 45 07.33		-0.180	4.76	2	5.04	2	5.09	2	FOV	1	254823		
	4341	75 DRA	20 31 28,005	+81 15 11.50	+0.011	+0.018	5.46	1 :		Ì			GGIII		3408	Va	-
	4342	3 ETA DEL	20 31 35.073	+12 51 17-16	+0.0048	3 +0.029	5.22		5.270				A2V		106248	V -	1
	4343	47 CYG	20 31 57.393	1+35 04 43 27		1 -0.004	4 • 63	2		2	6.99	2	K5+A3		70203	V	1
	4344	73 AF DRA	20 32 11.343	5 +74 47 01.07		3 -0.012	5.19		5.260		1 .	1	A P	1	9802 3413	V	1
	4545	74 DRA	20 32 26.025	5 +80 55 04.27		+0.223	5.95					_	KOIII	1.	106274		
	4346	4 ZET DEL	20 32 58 198	1 +14 30 02 23		+0.015	4.69	2	4.80	2	4.91	2	43V 62F5	T	254835	V2	1
	4547	RHO PAV	20 33 24.831	-61 42 13.15		-0.065	5.03		1	ı I		1			88884	'.	1
	4348	26 VUL	20 33 59.613	5 +25 42 29.34		+0.014	6.22		6.450		1. 015	١,	KOIII	1	230300	ס	1
	4349	ALP IND	20 34 03.529	9 -47 28 02•93		5 +0.070	3.115	1	4.115	, _	4.915	1	KAIII	1	144624	"	
	4350	70 AGL	20 34 07.407	7 -02 43 27.16	+0.000	3 -0.001	5.22	1			1	1	DYALA		1 0, 1		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	У И	BLUE MAG.	B N	HAG.	U N	SPECTRAL CLASS	-S	SAO CAT.NO.	STAR	
4351	13 CAP	2n 34 33.073	-15 19 18.53		+0.0043	-0.038	6.93	4					Κn	4	163740	!	1
4352	27 V _U L		+26 17 12.96		+0.0010		5.42	1	5.340			l	B9V		88903		1
4353	6 BET DEL		+14 25 12.31	c	+0.0077		3.630	1	4.070	lı i	4.150	1	FSIV		106316	r.	
4354	GO CYG		+35 15 39.46	_	-0.0002			6		-		1	AO	6	70279	ν	1
4355	5 IOT DEL		+11 12 07.25		+0.0026		4.42	Ŭ	4.460	i .		l	A2V	ľ	106322		1
4356	46 CYG		+31 23 48.89		+0.0006		6.20	1	6.100			l	BBTV		70287		-
4357	EU DEL		+18 05 30 28		+0.0013		6.27						GM6	l	106329	· v	1
4358	71 AJL		-01 16 51.96		+0.0008		4.33	2	5.29	2	5.98	2	GBIII		144649	בעת	
4359	MU - 2 OCT		-75 31 34.68		+0.0397		6.03	2	6.65	2		2	GIV	İ	257836	יח	
4360	PHI- 2 PAV		-60 43 05.08		+0.0421		5.12	2		2			FBV	1	254846	1	
4361	MU - 1 OCT		-76 21 30 60		+0.0575		6.00	2		2	6.55	2 -	F5TVN		257838	1.	
4362	ال۷ وخ		+21 01 28.67		+0.0050		4.82	2	4.80	2		2	AOV		A8944		
4363	2a VUL		+23 56 22.38		+0.0007		5.01						B5V		88945	Ì	-
4364	8 THE DEL		+13 08 18 22		-0.0002		5.82						K3IB	l	1n6342		1.
4365	14 TAU CAP		-15 07 53.44		+0.0003	-0.021	5.30						B6III		163771	9	
4366	V 828 CYG	20 36 32.838	+54 19 20.37		-0.0011	-0.012		6					88	6.	32748	V	
4367	7 KAP DEL	20 36 42.005	+09 54 31.97	1.	+0.0215	+0.021	5.02	2	5.76	2	5.95	2	G5IV	1	126059	ŋ	
4366	1 AJR	20 36 51.135	+00 18 33-97	٠.	+0.0065	-0.013	5.22						KIIII	1	126062	D	
4369	15 UPS CAP		-18 18 57.79		-0.0015	-0.018	5.10		6.740	ĺ			MZIII	1	163779	j	
437u	DM DEL		+14 15 05.74	١.	-0.0002	-0.028		6							106356	V	1
4371	9 ALP DEL		+15 44 04.30		+0.0045		3.770		3.710	1	3.500	1	B9V	1	106357	DV?	
4372	UPS PAV	20 37 23.405	-66 56 20 65		+0.0030	-0.024	5.15	2	5.09	2	4.81	2	BeV	1	254854	٧?	1
4373	VW CEP	20 38 03.009	+75 24 58.37		+0.0899	+0.560	7.1	4		1		1	G5	u	9828	ν .	1
4374	AT MIC	20 38 43.685	-32 36 35.18		+0.0216	-0.331	10.0	6	11.44	7			PEC	6	212355	ν .	
4375	S CAP	26 38 52.877	-19 14 13.43	1	-0.0013	-0.015	8.5	6				l	G5	6	163801	V	1
437 ₀	16 DEL	20 38 55.689	+14 24 14 16	٠.	-0.0005	+0.005	6.01			١,		ļ	GK4	1	106384	٧?	1
4377	49 CrG	20 39 00.995	+32 07 42.32		+0.0004	-0.011	5.60			[.			GBII		70362	ס	1
437b	V CYG		+47 57 45 41		-0.0017		6.8	4	1 1	l	5		13	4	49940	V	1
4379	50 ALP CYG	20 39 43.539	+45 06 03.11		+0.0001	+0.005	1.250	1	1.340	1	1.110	1	AZIA		49941	DV?	1
4380	ETA I,D	20 40 22.692	-52 06 04.59		+0.0175	-0.055	4 • 51	2	4.78	2	4.87	2	DA9		246709		1
4381	V 568 CYG	20 40 24.615	+35 16 33.76		-0.0018	-0.007	6.50			İ]	Bave	1	70406	V	1.
4582	BET PAV	20 40 28.662	-66 23 05.42		-0.0061		3.415	1	3.580	1	3.695	1	ASIV	1	254862		1
4383	51 ξ ΥG		+50 09 35 • 14		-0.0001		5.38						B2V		32819	D	1
4584	S ՄԷL		+16 54 27 48	2 -	+0.0015			4					M5	l	106422	עם	1
4385	11 DEL DEL		+14 53 38.69		-0.0014			2		2		2	A M?		106425	V	
4386	MW PAV		-72 ₀ 7 55•36		+0.0095			7	• .	7	9.78	7	A5	6	257849	V	
4387	X CYG		+35 24 23.93		-0.0010		6.5		7.340	7		l_	F7IB		70423	V	ı
4388	AU MIC		-31 31 05.28		+0.0212		8 - 4	6	9.84	7	10.79	7	MOVE	7	212402	DV	
4389	4 CEP		+66 28 31.53		+0.0037		5.53					_	A5		19004		1
4390	პი <u>V</u> UL		+25 05 26.59		-0.0023			2	6.10	2	7.28	2	K2III	1	89084		
4391	KP DcL		+18 06 37.87	١.	-0.0008		8.4	6				Ī	MA	6	106453	V	1
4392	T DEL!		+16 12 58 22		-0.0008		8.3	4	U =60	١, ١	, , , , ,		M4E	4	106456	, v	1
4393	1 _b PSI CAP		-25 27 07 14	10	-0.0036		4.130	1	4.560		4.600	1	F5V	1	189664	ν.	1
4394	U DEL		+17 54 26 44		+0.0001		5•6	-					M5II-III		106458	, v	1
4395	17 CAP		-21 41 49-29		+0.0015		5.89	ا ہا	E -0				A0	ł	189667	_	1
4396	52 CYG		+30 32 10 47		-0.0009			2		2	6.17		KOIII	•	70467	ם	Ĺ
4397	53 EPS CYG		+33 46 55.14		+0.0285		2.460		3.490		4.360	2	KOIII		70474	5 .	
439 8	3 ETA CEP		+61 38 38 85		+0.0128		3.430	1	4.350	1	4.960	1	KOIV	١	19019	D	
4399	V AQR		+02 15 11.94		+0.0009		7.8	4		١. ا	ا میمیا	١. ١	M6E	4	126200	٧	
4400	12 GAM- 1 DEL	20 44 19.473	+15 56 34.71		-0.0022	-0-188	5.182	1	5.684	1	6.542	1	F7V		106475	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG,	V N		B N	NAG.	U N	SPECTRAL CLASS	, N	5A0 C.T.NO.	STAR PROP.	l i
	12 GAM- 2 DEL	20 44 20.236	+15 56 34.82	-0.0024	-0.195	4.312	1		1	5.672		K1IV		1n6476	n	
4401	SIG PAV	20 44 35.935		-0.0122	-0.052	5-41	2		2		2	GK0	1 2	254871		
4402 4403		20 44 58.218		+0.0022	-0.032	3.770	1		1	3.790		A1V		144810		.1
4404	Z EPS AGR		-05 12 43.27	-0.0001	-0.037	4.44	2		2	8.04	2	M3III	l	144814	V	1
4405	10T MIC	20 45 06.202		+0.0173	-0.104	5.10	2	5.45	2		1	F1V	ŀ	230379	0, ,	1
	CY CYG	20 45 08.223		-0.0009		7.9	6					PEC	.6	50053	V	Т
4406	T CYG		+34 11 21.85	+0.0036	+0.006	5.20				10		K3III		70499	DV	-
4407		20 45 19.692		+0.0005		5.58	2	5.56	2	5.47	2	A1		126222	DA5	ı
4408		20 45 27.531		+0.0005		4.54	2	4.43	2	3.93	2	B5V		70505	D	1
4409	_ · · · · · · · · · · · · · · · · · ·	20 45 59 901	-33 55 03.36	-0.0007		9.5	6		-		1	A3	6	212461	V	
4410	VY MIC	20 46 02.971	-46 24 48.08	+0.0047		4.885	1	6.400	1	8.255	1	GK5		230391		П
4411	ZET IND		+39 06 08 35	-0.0012		7.0	6							70517	עס	1
4412	V 367 CYG	20 40 06 404	+82 20 52.28	+0.0139		5.67						A0	1 .	3458	\ \sigma_2	
4413	76 DRA	20 46 19.839	+22 48 29.04	+0.0007		8.1	6					M3	6	89156	_V.	ı
4414	FI VuL	20 46 50 972	-33 57 58 21	+0.0008		4.89	2	5.89	2	6.62	2	GG7	1	212472	D	1
4415	ALP MIC		+45 55 40 43	+0.0001		4.86	2	5.28	2	4.83	2	B3IA		50009	DV?	Ш
4416	55 CYG		+12 21 25.64	+0.0038		5.89						DF4	1	106536	\ \sigma_5	-
4417	15 DEL		-05 20 01 14	-0.0011		6.8	4				l	M3E	4	144854	V	1
4418	T AGR	20 47 18.050	+07 40 37 89	+0.0015		6.33	2	6.35	2	6.33	2	A2		126265	1.0	ı
4419	14 DEL	20 47 21.127	+03 27 54.83		-0.002	8.9	6					F8	6	126272	V	1
4420	TX DEL		-51 47 45.74	+0.0010		5.16	ŀ		- :		1	GK1	1	246762	1	1
4421	IOT IND		+43 52 12 60		+0.137	5.08						A4M?	1	50121		-
4422	56 CYG		+36 52 55 19	+0.0001		8.7	6		1			MB	. 6	70566	V	ŀ
4423	V1056 CYG		-05 48 52.80	+0.0064		5.99	2	6.45	2	6.48	2	DF3		144877	DV3	١
4424	4 AQR		-27 06 27 20		+0.000	4.120		5.750	1	7.660	1	KSIII		189781		1
4425	18 OME CAP	20 48 52.686			+0.017	6.03	1				ı	A2		212499		- 1
4426	BET MIC		+28 03 43.75	+0.0001		5.4	1	5.87	7			F5IB		A9216	V	-1
4427	T VUL	20 49 20.753			+0.003	5.55	2	5.47	2	5.20	2	B8	l	144889	٧?	ı
4428		20 49 57.475			-0.028	4.73	2	5.05	2	5.15	2	AM		144895	1	1
4429	6 MU AUR		+26 54 31.77		-0.061	4.61	2	5.43	2	5.89	2	GBIII	1	89228		-1
4430	31 VuL		+34 28 08-28		-0.004	6.9	4		١.		1	B2	4	70599	l v	٠1
4431	Y CYG	20 50 03.619	+46 34 37.73		-0.003	9.0	16	10.65	7		1	MA	6	50158	V	-1
4432	V1395 CYG		-58 38 40 20		-0.022	3.650	1	4.900	1	6.120	1	KOIII		246784		ı
4433	BET IND	20 50 55.000	45 55 16.65		+0.006	9.6	6		1			65	6	230428	V	. 1
4434	SU IND	20 51 17 425	+44 11 49.76		+0.004	4.77	2	4.63	2	4.05	12	B5V		50180	٧?	- 1
4435	57 CYG	20 31 20.327	-18 06 49.76		-0.018	5.91	1				1	GKD		163975	1	-
4436	19 CAP		+28 19 51.73		-0.007	6.44		1	1	1 :		B2II	1	89265	V	- 1
4437	BW VUL	1	+27 51 59.34		+0.002	5.10		1	1			KATIT	-[89272	V?	. [
4438	32 VUL	20 52 25.638	-01 33 53.97		+0.023	6.55	la	6.84	2	6.89	2	FO	6	144941	V	- 1
4439	EM AUR	20 52 55 14 56	7 +13 31 46.86		-0.009	5.24	-		1		1	KOIII	-1	106665		
4440	17 DEL	20 53 14.30	3 +12 22 34.43		+0.021	5.54	1	5.650			1 .	A4V		106666	ם ו	
4441	16 DEL	20 22 12 200	3 -70 36 57.93		+0.020	7.6	6	1			1	F2	6	257869	٧	
4442	KZ PAV		9 -09 53 25.41		-0.008	5.68			1		1	GK5	-1	144968	DV3	١
4443	7 AgR	20 54 11.94	4 104 53 12 37		-0.003	8.1	6	1		1		AO	6	126399	V	
4444	S EQU		5 +04 53 13•37 8 +40 58 25•85		-0.012	3.940	-	3.960	1	3,960	1	AOV	1	50274	1	١
4445	58 NU CYG	77	+ +39 59 02-21		+0.021	9.0	6				1		- [70716	V	٠
4446	VX CYG	사람이 무슨데 가장이 그 그리고 있었다.	7 -10 40 30.00		-0.000	6.01	12		ĺż		1.	A3	1	164027	V	1
4447	DV AQR		7 -14 40 38.00		5 -0.032	5.84	1-		1			GG6		106712		į
4448	18 DEL		8 +10 38 42.99		+0.001	5.33			1			GK4	1	89332		-
4449	33 VUL	20 56 02.12	8 +22 07 53.72			8.0	6				ŀ	1	1	50296	V	
4450	AZ CYG	20 56 15.90	1 +46 16 20 95	+0,001:	5 -0.002	0.0	1		1		1 .	1	ı	1	1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

U 4BER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F	2	RA PM	DEC PM	VISUAL MAG.	N		B	/* 1	N	SPECTRAL CLASS	E .	SAN CAT.NO.	STAR PROP.	
	•		55 17 30 00	+	+0.0023	+0.021	7.31	4	5 g .				FN	14	33026	ν,	T
4451	DQ C _E P	20 20 20.992	+55 17 34 • 90		-0.0075		5.23	2	5.69	2	5.71	2	F5I\		126428	ŋ	
4452	1 EPS EJU	20 56 34.503	+04 06 02.50	- 1			8.8	6	J•0.	-	•	_	N/4	6	164042	V	1
4455	AB CAP	20 56 43.189	-14 59 41 87			-0.003		~]		- 4	e atotaliji		AOSI	1	164043		Ţ
4454	20 CAP	20 56 45.807	-19 13 48 99		+0.0007		6 • 23	,					A3	4	164046		1.
4455	8 AuR	20 57 10.041	-13 14 49.89		-0.0023		6.59	6					A2	6	230477	ν	
4456	ZZ MIC	20 57 17.815	-42 51 06 94	1	+0.0052		9.7	4				1	ÃÔ	L	145021		ı
4457	10 AGR		-05 40 24.20	: I	+0.0011		6.58	"	1.00				GIV		145022		1
4458	11 AQR	20 57 55.883	-04 55 28 38	1	+0.0030		6.26		45.16			10	KO	u	164061		1
4450	21 CAP	20 58 03.042	-17 43 37.22		-0.0019		6.54	4	1	ا م	7 77	2	B1IV?E	7	50335	עם	1
4460	59 -F- 1 CYG	20 58 07.395	+47 19 30 • 07		+0.0003		4 • 75	2	4.71	2	3.77	2	GATII		212636	D	Į.
4461	GAM MIC	20 58 13.731	-32 27 16.32	- 1	-0.0000		4.67	2	5.56	2	6.10	٠.		4	164064		1
4462	9 AQR	20 58 23.090	-13 43 36 • 16		+0.0001			4.				_	G5 F4III	-	257879		1
4463	ALP OCT	20 58 44.041			+0.0027			5	5.64	2	5.77	2		1	50359	ם	-
4464	bc CYG	20 59 26.064	+45 57 31 • 35	ı	+0.0003		5.40		5.200			l	B1VE	4	126482	ľ	1
4465	2 LAM EQU	2n 59 44.492	+06 58 55 48	- 1	-0.0006		6.64	4		1		1	FB	4	212666		ı
4466	ZET MIC	20 59 46.618	-38 49 41.15		-0.0024	-0.110	5 • 35						DF2		70812	l v	1
4467	V1058 CYG	21 00 13.195	+34 34 41 - 25	. 1	+0.0009	-0.012	8.6	6	5 100	l		- 1.	MB	, e	89396	v	1
4468	ER Vul		+27 36 33.35		+0.0062	+0.007	7.5	6					G0	6		V	4
4409	DY VUL	21 01 16.739	+23 47 50 • 96		-0.0002	-0.013	7•5	б					MB	6	89414		1
		21 01 25.954	-06 01 22.00	- 1	-0.0000	+0.015	7.31				1	i.,	A3		145064	D	1
4470			-06 01 19.78		+0.0010		5.89						GG4		145065	ח	-
4471		21 01 23.704	-20 03 14.10	- 1	-0.0025		4.84	2	5.02	2	5.07	2	A3M?	1	189986	D	-
4472	22 ETA CAP	21 01 30 303	-54 55 34.61	- 1	+0.0013		5.20					ļ	GK2		246854		Į
4473	MU IND	21 01 34.302	+05 18 11.04		+0.0010		5.60	2	7.25	2	9.26	5	GK5		126518	1	ı
4474	3 E ₆ U		+23 37 19.43	1	+0.0017		7-1	14					M4E	4	39429	٧	-
4475	R VUL	21 02 09.306	+42 14 31 86	. 4	+0.0045		8.4	6				1	MA	6	50419	V	- {
4476	V1059 CYG				-0.0062		5.94	ž	6.48	2	6.54	la	FB		126535	ŀ	ı
4477	L, E _U U		+05 45 34 46		+0.0026		5.71	Ι .		1	4		GKO		212709		ļ
4478	DEL MIC	21 03 00.214	-30 19 29.77		+0.0005		3.700	1	5.350	١,	7.150	1	KSIB	1	50424	٧?	1
4479	62 XI CYG	21 03 06.589	+43 43 39.32	1			4.07	2	4.06	2		2	AOV		164132		
4480	23 THE CAP	21 03 08.318	-17 25 57.78		+0.0058			٦	7.00	-	1 ***		GK2		230523		
4481	ETA MIC		-41 35 12.42		+0.0024		5.56				la Para	l	GK3	1	212716		
4482	2 P5A	21 03 21.537	-32 32 34.02		+0.0000		5 • 26	١.		١.	7.990	١,	MITIT		190025	ا م	
4483	24 A CAP	21 04 12.403	-25 12 24.97		-0.0017		4.490	1	6.090	1	1.990	1	F5.51-11		70917	v	
4484	DT CYG	21 04 24 . 223	+30 58 59.78		-0.0002		5.7	۱.		1	i		M6	6	164150	ν	
4485	RS CAP	21 04 27.988	-16 37 26.45		+0.0005		8.5	6	6 000	1	5.945	٦	K5V+K7V	°	70919	D.	
4486	61 CYG	21 04 39.931	+38 29 59 11	C		+3.185	4.775		6.022			2	K4II	1	50456	DV2	1
4487	63 -F- 2 CYG	21 04 52 620	+47 26 48•21			+0.003	4 • 56	2	6.12	2	7.85	12			190050	D	
4488	25 CHI CAP	21 05 41.937	7 -21 23 44.70			-0.056	5.27				1		AOV	1 .	33149	l "v	
4489	V1061 CYG	21 05 45.237	+51 50 47.79			+0.037	9•0	6		1	1 m 1 m 4		F8	6	230547	l v	
4490	AK IND	21 05 49 623	-46 58 16-04			+0.009	8.0	6		1		1	MB	6	190065	"	
4491	26 CAP	21 06 24.615	-20 23 47.76			+0.001	6.88	4		1			KO	"	70968	va	
4492	V 389 CYG	21 06 31.476	5 +30 00 09•79			-0.014	5.6	1				1	A0	1	9959	1 "	
4493	77 DRA	21 06 31.971	+77 55 26 77			+0.034	5.90	1	5.830			1	B9	1	190069	V?	
4494	27 CAP	21 06 41.624	-20 45 30 - 12			-0.122	6 • 15		1		1	_	DF1		164182	"	1
4495	13 NU AGR	21 06 52-308	-11 34 31.13	1	+0.0062	-0.014	4 • 52	2	5.46	2	6.13	2	GBIII		- **	1	
	Z CAP	21 07 50-536	-16 22 41.81	1		-0.039	8.6	7			1	1.	M4E	6	164193	V	
4496		21 07 54-570	+09 55 44-82			-0.152	4 • 68	2	4.94	2	5.03	2	FP	1	126593	DV	
4497		21 08 05 42	+09 50 38.44	1		+0.019	6.07	2	6.09	2	6.13	2	A1		126597	D	
4496	6 E ₀ U		1 -45 16 42.50			-0.065	9.12	7	1	1			A5	6	230567	V	
4499	V IND	21 00 11 30	3 -70 19 55.94	1		-0.027	5.02	2	6.60	2	8.15	2	M2III	1	257896	1	ı
450 ₀	OMI PAV	1 41 00 41.30	J [- 10 . L 2 . D 2 * 2 * .	1				1		1				1 .	1	1.0	

TABLE 4 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCEMSION (1950.0)

1		RI. ASCEN.	DESIGNATIONS AND	RA	DEC	VISUAL	٧	BLUE	В	υV	U	SPECTRAL	S.	SAn CAT.NO.	STAR	3
IUMBER	STAR DESIGNATION	HR MN SEC	DEG MN SEC N	P M	PM	MAG.	N	MAG.	N	MAG.	N	CLASS	- "		V	H
-	7 C-D	21 05 52-870	+68 17 11.85	-0.0063	-0.062	5•2	- 1					GM7F		19229 33196	v	
4501	T CEP	21 00 32.070	+55 07 36 • 55	-0.0008		7.6	5					BA	F	164218	v	.1
4502	V1425 CYG	21 10 00-961	-14 35 54-87	+0.0028		1 1	6					M5	6	190129		1:
4503	RX AGR	21 10 10.673	-27 49 28 35	+0.0074	-0.116		2	6.84	2		1. 1	KSIII		71070		1"
4504	3 PSA 04 ZET CYG	21 10 48.357	+30 01 15.51	-0.0001	-0.052	3.200		4.190	1	4.950	1	GBII	6	145222	V	1
ų505 		21 11 37.066	-02 11 10.15	-0.0006	+0.008		6				ايا	K2	n	126643	n	1
4506	Table 19 April 7 Table 1 Table 1 Table 1	21 12 02.672	+09 48 11.96	+0.0031	-0.301	1	2	4.99	2	4.98	2	F7V	6	126649	v	
4507	and the second of the second o	21 12 26 695	+08 47 08 08	+0.0001	-0.013	8.6	6		1			KO GG9		190173		
450b		21 12 47.293	-20 51 37.35	+0.0009	+0.004	5 • 35					۱. ا	FOIV		71121	ער	
4509		21 12 47.559	+37 49 52 27	+0.0134	+0.437	3.730	1	4.130		4.160	1 1		i .	164263	٧?	
4510		21 12 58.911	-15 22 49.49		+0.007	5 28		6.900			۱. ا	GM3 F8+A3	100	126662	'	1
4511		21 13 19.440	+05 02 24.35	+0.0038	-0.084	3.900		4.420	11	4.720		MA	1/4	145251		1
4512	~	21 13 36 770	-09 25 26 51		+0.006	1 1	4		1	. 70	2	A2P	1	212874		1
4513	14 AOR EPS MIC		-32 22 57.73		-0.024		2		2	4.79	-	BB		164286		
4514		21 15 09.166	5 - 18 11 44 • 64		+0.000	5.39		5.270		7 07	2	B91AB		71165	V?	
4515	50 CAP 57 SIG CYG	21 15 26.95	[+ 39 1 1 03•50		-0.000	4 • 23	2	4.36	2	3.97	ا حا	A5	1	164289		1
451 ₀ 4517	31 CAP	21 15 27 94	-17 40 22.92		+0.006	6.31		5.69	١.	5.18	2	B7		145278		
4517	15 AQR	1 21 15 33.72	5 -04 43 49•63		+0.020	5.82	2	3.63	2	3.10	1	мв	1 6	126695	. v	1
4519	RU EQU	21 15 49.54	+ +07 32 58•11		-0.004	8.6	6	4.32	2	3.50	2	B2VE		71173	UA3	1
4520	DE UPS CYG	21 15 51.55	5 +34 41 09.86		0.000		2	4.32	15	3.50	1	""-		246964	9	1
4521	THE- 1 IND	21 16 18.22	3 -53 39 35 85	+0.010	-0.067	7.2	4	4.58	2	4.70	2	A4V		246965	מ	1
4522	THE- 2 IND	1 21 16 18.87	+ -53 39 37•51	+0.012	-0.068	4.39	٦	4.990		7.0	-	08		⊏0690	1.	Ţ
4523	68 A CYG	21 16 35.13	L +43 44 05•23		-0.006	4.99	1	4.970				NA	1	230635	V -	1
4524	T IND	21 16 52.20	71-45 14 03.641		-0.006	7.2	6	1			1	K2	6	50703	V	1
4525	CE CYG	1 21 17 08.77	9 +46 :47 :44 • 58		+0.004	7.7 5.75	10	6.22	7	1. 1. 1.		F2	7	71203	עמ [1
4526	V1334 CY6	21 17 22.41	6 +38 01 31•85		7 -0.003	2.450	١,		11	2.780	1	A7IV-V	1	19302	10	1.
4527	5 ALP CEP	21 17 23.18	1 +62 22 23.74		+0.052	8.8	6	1	1	-•,		A3	6	164320	V .	
4528	RY AGR	21 17 33.70	8 -11 00 54-45		5 +0.041	4.82	2		12	4.77	2	AP		230644	V	1
4529	THE- 1 MIC	21 17 34.15	3 -41 01 19.95		0.003	7.2	6		1-		1	МВ	6	33329	V	1
4530	FZ CEF	21 18 11.28	9 +55 14 14 89		8 -0.009	5.14	١٢	5.120	٦l -	100	1	B3VE	1	19313		- 1
4531	6 CEF	21 18 20.06	2 +64 39 33.93		6 +0.007 0 +0.014	5.87	2		12	7.43	2	GG7	1	145317		
4532	16 Auf	21 18 27.05	8 -04 46 24.00		6 -0.015	5.82	2		2		2	GM2		126719		١.
4533	9 Ewl	21 18 36.35	2 +07 08 29.53		4 -0.123		2				2	KOIII-IV		89640		1
4534	34 VuL	21 18 48.63	1 +23 38 39.63		1 -0.012		4	1	1			M2E	4		V	
4535	T CAF	21 19 15.40	9 -15 22 21 67		9 +0.001	8.7	6		7 (1	1	AO	6	71239	V	
4536	V 836 CYC		1 +35 31 22.51		2 +0.006	4.27	2		2		2	GBIII		164346		1
4537	32 IOT CAF		8 -17 02 55 00		4 +0.066		2		12		2	KIIII		107073	D	Ų
4538	1 PEC		7 +19 35 22 77		7 -0.017		17	1 5	1			NO		254990	V	- 1
4539	Y PA		7 -69 56 56 26		0 -0.025		2	7.53	2	9.41	2	GMO		145351		- 1
4540	17 Ag		2 -09 32 00.61		6 +0.014		15		2	5.29	2	A2		126749	D	
4541	10 BET Eal	21 20 24 60	9 +06 35 47 • 14		5 -0.008		6		. 1			MB	6		V	
4542	V1070 CY	21 20 51.72	7 +40 43 06-11		7 +0.003		2		2			AOSI		230667	D	- 1
4543	THE- 2 MI	21 21 13.96	6 -41 13 19.78		2 -0.129	The second secon		7.25	0		1	GK2		190295	V?	- [
4544	33 CA	21 21 19.65	2 -21 03 56 27		0 +0.009		2				- 1	AGIII		164364	V?	۱.
4545	18 AQ	21 21 27.6	8 -13 05 37.46		5 +0.016		6	,	1					107100	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1
4546	AU PE	5 21 21 40.38	15 +18 03 49.37		6 -0.049	1	2		2	6.82	2	GA9		145376	1	- 1
4547	20 AQ	R 21 22 15.3	32 -03 36 49.45		4 +0.797				0 1		1 1	FBV		254999	٧?	İ
4548	GAM PA	V 21 22 20.18	34 -65 35 38.76		4 -0.169							A4		145382		j
4549	19 AG	R 21 22 31.90	9 -09 57 45.06		1 -0.070				- 1			GK4		145384		†
4550	21 Aŭ	R 21 22 40.5	14 -03 46 20 04	-0.001	-0.070	3.57	1		1							_

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	2 <	BLUE MAG.	B N	MAG.	U = N	SPECTRAL CLASS	S.	SAO CAT.NO.	STAR	
4551	GAM IND	21 22 42.265	-54 52 39.96	+0.0014	+0.043	6.10		6.440				FOIII		247031	νγ	I
4552	69 CYG	21 23 44.257	+36 27 02.44	+0.0003	-0.0n2	5.95		5.890				BOIR		71329	D	1
4553	34 ZET CAP		-22 37 44.34	+0.0001		3.740	۱, ا	4.740	1	5,340	1	G5P		190341	9	1
4554	SX PAV		-69 43 23.38	+0.0166		5.3	1		1	3,540	•	GM7		255003	v	1
4555	35 CAP		-21 24 48 74	-0.0019		5.78	2	7.22	2	8.96	2	K5111		190349	l * .	
4556	SW CEP		+62 21 24.91	-0.0020			6	1.22	٦	0.70	۴	MC		19401	l v	ł.
4557	70 CY6		+36 53 55.35				0						6		l v	Т
	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1			+0.0001		5.21		E00			l	B3V		71358	1	1
4558	35 VUL		+27 23 24.01	+0.0032		5.36		5.400			١. ا	A1V	1	A9720		1
4559	36 -B CAP		-22 01 33.65	+0.0099		4 • 51	2	5.42	2	6.02	2	GG5		190374		
4560	5 PSA		-31 27 26.99	+0.0018		6.60		<i>1</i>				A0	1	213034		
4561	7 CEP		+66 35 26.39	-0.0028		5 40		100				B7		19432		
4562	71 -G CYG		+46 19 09.90	+0.0041	+0.107	5.20	-					KOIII		50934		1
4563	2 PEG	21 27 40.860	+23 25 07.70	+0.0017	+0.007	4 • 57	2	6.19	2	8.12	2	M1III	1	89752	D	
4564	8 BET CEP		+70 20 27.85	+0.0020	+0.013	3.230	1	3.010	1	2.050	1	B2III		10057	DV	
4565	EI CEP	21 28 42.578	+76 11 02.27	-0.0012	-0.008	7.7	6					F0	6	10061	V	ŀ
456 ₆	22 BET AGR	21 28 55.650	-05 47 31.68	+0.0013	-0.005	2.870	1	3.710	1	4.280	1	GOIB		145457	D	1
4567	XI GRU		-41 24 03.15	+0.0015			2	6.39	2	1755		GKO		230726		1
4568	6 PSA		-34 n9 57.86	+0.0003		5.99	-	7,0				AZIV		213078	DVP	1
4569	GK CEP		+70 36 07.01	+0.0015			6	1				AO	6	10069	v	1
4570	37 CAP		-20 18 29.78	-0.0027		5.79						DF1		190461	l *	ı
4571	73 RHO CYG		+45 22 12.30	-0.0027		4.020	١, ١	4.910	١, ا	5.470	١,	G8111		51035		1
4572			-20 28 31.14	+0.00023			4	4.910	1	3.470	1 -		4	190463		1
4573			-70 33 28·78			1						F8	4		١.,	1
4574				-0.0109			6	F 00	۱. ا		۱.			257941	W	1
	72 CYG		+38 18 32 85	+0.0102			2	5.99	2	6.99	2	KIIII		71480	_	1
4575	B PSA		-26 23 43.94	+0.0083			2	5.95	2			A3M		190478	D	1
4576	UU CAP		-14 05 33.80	+0.0045			6			100		M4	6	164507	٧	
4577	7 PSA		-33 16 21 67	+0.0071			2	6.33	2	1.00		A5		213136		1
4578	V1427 CYG		+47 41 14.89	-0.0011			6	9.52	7	9.18	7	B3E0	7	51076	V	ı
4579	W CYG		+45 09 00.36	+0.0045	+0.010	5.38	2	6.97	2	8.21	2	GM4E		51079	٧	Ţ
4580	39 EPS CAP	21 34 17.002	-19 41 27.69	+0.0007	+0.006	4 - 72	2	4.56	2	3.98	2	B3V?P	1 .	164520	DV	1
4581	AB CYG	21 34 24.512	+31 52 38 99	+0.0024	+0.019	7.8	6					MATTIE	7	71513	- V	ı
4582	74 CYG	21 34 56 508	+40 11 17.55	-0.0005	+0.017	5.00		100	1			A4		51101		ı
4583	23 X1 AGR		-08 04 45.93	+0.0076			2	4.88	2	5.01	2	A7V	1	145537		1
4584	5 PEG		+06 23 33.95	+0.0039		6.17	2	6.20	2		2	A0	ŀ	126940	D	L
4585	5 PEG		+19 05 33.85	+0.0072		5 - 36	- ·		Ι .	~~~	-	FOIV		107288		1
4586	CP CYG		+44 28 16.95	-0.0004		6.05						A3		51109	v	
4587	SV PSA		-33 34 48.53	+0.0013		9.4	6					G5	6	213159	v	ı
4586	S CEP						4	1 to 1 to	:			N8E	4	10100	v	ı
			+78 23 58.72	+0.0011		7.0			١. ١	ء ۽ ۽ ا			1 4		1	1
4589	NU OCT	21 35 59 865		+0.0176		3.755		4.750		5,645		KOIII	1.0	257948	D.	1
4590	4 PEG		+05 32 42.32	+0.0075			2	5.92	2		2	DA6		126956	מ	ı
4591	9 CEP		+61 51 21.32	-0.0005			2	5,03	2	4.49	2	B2IB	1	19541	L _	ı
4592	24 AuR		-00 16 41.20	+0.0154			4					F8	4	145566	D	1
4593	25 →D AGR		+02 01 04.24	-0.0019		5.16			1.		1	KOIII		126965		1
4594	AD CAP		-16 13 58 52	+0.0032			6		L		١. '	KO	6	164558	٧	ı
4595	40 GAM CAP		-16 53 21.05	+0.0131	-0.022	3.670		3.990	1	4.200	1	AM		164560	l .	l
4596	UU CYG	21 37 30.538	+43 03 04 65	-0.0036	+0.018	8.9	7		1		٠.	A2	7	51154	DV	
4597	EE PEG	21 37 34.216	+08 57 25.86	+0.0048	+0.012	6.78	4	1 :				AO	4	126971	V	ł
4598	V 539 CYG		+44 57 22.15	+0.0017			6					MB	6	51156	V	1
4599	DL CYG		+48 18 46 10	+0.0012		9.2	6					1		51160	v	ı
4600	75 CYG		+43 02 46.22	+0.0049		6.20	ا ۱					GMO		51167	DV?	1
7000	,5	ET 30 Y21144	1 UE		1.00022	0.50			1	i		10170		7-407	U V .	1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR SESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG•	B N	0.	U N	SPECTRAL CLASS	5 N	540 C.T.NO.	STAP PROP.	1
		21 38 49.849	-14 16 17.42	-0.0084	-0.304	5.28						G2IV		164580		
4601	42 CAP	21 38 58 506		-0.0037		6.9	4					MBE	4	33654	עמ	١.
4602	RU CYG	21 30 30 300	-23 29 23.82	+0.0074		5.32	ı				1	GG9		190559	U	1
4603	41 CAP	21 39 33.406	+40 34 39.11	-0.0013		6.11	2	6.18	2	6.26	2	A2		51189		1
4604	76 CYG 26 A QR		+01 03 24 • 10	-0.0001		5.67	2	7.11	2		2	GK4	i	126997		L
4605		21 39 45.354	+05 27 05.29	+0.0009		5.29	2	6.93	2	8.87	2	6M2]	127002		Ì
4606	7 PEG RS GRU	21 39 48.169	-48 25 06 49	-0.0055		8.0	6	8.160	7			A5	6	230806	V	١
4607	43 KAP CAP		-19 05 42.64	+0.0103		4.73	2	5.61	2	6.12	2	GRIII		164593		l
4608	V 460 CYG	21 30 54 349	+35 16 53 25	+0.0004	_	6.05	2	8.57	2	13.87	2	C6-3		71613	٧	
4609	V 480 CYG		+45 32 13.93	+0.0003		6.47						M4	1.	51204	٧	
4610		01 10 18 952	+50 57 39 10	+0.0001		4.67	2	4.55	2	3.86	2	B3IV		33665		1
4611		21 40 20.932	-14 37 45 10	-0.0003		9.9			1			A5M		164600		1
4612		21 40 21.989	+40 50 53 19	+0.0016		5.48						AD		51207	D.,	ı
4613	77 CYG EK CLP	21 40 29.824	+69 27 50 02	+0.0015	-0.015	7.4	6				_ :	AO	6	19585	٧	ı
4614	11 CEP	21 41 11.735	+71 04 51.73		+0-105	4 • 57	2	5.67	2	6.76	2	KOIII		10126		1
4615	RV CYG	21 41 12.006	+37 47 16.91	-0.0001	-0.004	7.1	4					N5	4	71642	V	ŀ
4616 4617	45 CAP	21 41 17.251		-0.0018	+0.010	5.90		4 10				A5M		164612	ח	ŀ
4618	79 CYG	21 41 21.397	+38 03 14.72	+0.0028	+0.007	5.62		5.620				B9.5V		71643	DV?	١
4619	8 EPS PEG	21 41 43.756	+09 38 41.69	+0.0020	+0.005	2.390		3.910		5.610		K2IB		127029 89939	DV	1
4620	78 MU - 2 CYG		+28 30 57.84	+0.0174	-0.215	6.136		6.626		6.636		DF3		89940	ם ו	۱
4621	76 MU - 1 CYG	21 41 54 246	+28 30 58 01	+0.0220	-0.238	4.785		5.225		5.235		F6V			l b	ı
4622	9 10T P5A	21 41 58.427	-33 15 17.86	+0.0028	-0.090	4.340		4.290		4.180		AOSI		213258		1
4623	MU CEP		+58 33 00 • 64	-0.0000	+0.001	4-17	2	6.43	2		2	MZIA		33693	עם	١
4624	PEG		+17 07 11.12	+0.0008	-0.010	4 • 31	2	5.49	12		2	G5IB	1.0	1n7365		1
4625	46 -C- 1 CAP	21 42 20.376	-09 18 47 02		-0.002	5.09	2	6.20	2	7.14	2	GBII-III		145637 89949	D	1
4626	10 KAP PEG		+25 24 51.97		+0.015	4.12	2	4.56	2	4.59	2	FSIV	1 1 1	10131	1 "	1
4627	78 DRA	21 42 28.019	+72 05 26 87		-0.032	5.22	I.					Killi		258914	0	1
4628	LAM- 1 OCT	21 45 27.797	-82 57 05.52		-0.033	5.29	2	6.04	12	6.51	2	GG5	7	145648	l "v	1
4629	47 -C- 2 CAP	21 45 36.291	-09 30 26.97		+0.012	6.01	2	7.67	2	9.53	2	MSIII	١ ′	89972	Y	ł
4630	12 PEG		+22 43 03.07		+0.001	5.29		6.720			1	KOIB A2V		164639		١
4631	48 LAM CAP		-11 35 50.88		-0.007	5.59	1.	5.580				MBIII	7	145652	v	ı
4632	EP AQR		-02 26 40.90		+0.025	7.16	4	8.65	7		2	A2IA	l '	19624	v?	١
4633	10 NU CEP		+60 53 22.50		+0.001	4.29	2	4.81	2	4.94	-	F8	4	164640	1 ''	
4634	50 CAP	21 44 00.428	-11 55 40 13		-0.128	7.02	4	3.120	١,	3.220	li	AM	٦.	164644	DV	١
4635	49 DEL CAP	21 44 16.992	-16 21 18 42		-0.294	2 • 830					2	Ão	ļ	127060	1 '''	1
4636	11 PEG	21 44 41.821	+02 27 14.60		+0.003	5 • 64	2	5.64	2	5.62	۱۴	B0	6	33744	V	
4637	AI CEP	21 44 45.352	+56 41 07.60		+0.006	8.9	6	5.05	2		1	AZIIIN	١ ٠	213292	D	
4638	10 THE PSA	21 44 48 411	-31 07 50 65		+0.001	5.01	2			- "0	2	BSIII		51293	1	
4639	81 PI - 2 CYG	21 44 56.560	+49 04 39.35		+0.003	4.24	2	4.12	2	3,40	1-	GM1		19642		
4640	12 CEP	21 45 56 671	+60 27 36 67		+0.005	5.44	1	6 00	2	0 53	2	KSIII		255087		
4641	OMI IND	21 40 35.522	-69 51 48 68		1-0.004	5.53	2	6.90		8.53	٢	AOV		90040		
4642	14 PEG	21 47 37.796	+29 56 26 28		0.024	4.98	1	4,930	'		İ	F2III		107425	a	
4643	13 PEG	21 47 45.82	+17 03 08 67		0.058	5.24	-					WN6+M1-M3I	7	107436	ľv	
4644	AG PEG	21 48 36.18	+12 23 27.35		2 +0.002	7.6	5	1			1	F5	6	230871	l v	
4645	V GRU	21 48 46.93	3 -42 36 28.97		-0.029	9.5	4				1 -	A2	4	90061	V	
4646	AW PEG	21 50 02.66	5 +23 46 38•19		3 -0.003	7.48	*		1		1	DFO		90065		
4647	15 PEG		6 +28 33 31 • 24		-0.062	5.51		E			1	Fov		164713		
4648	51 MU CAP	21 50 34.30	5 -13 47 16•98		2 +0.014	5.08	2	5.45	, 2		1	B3V		90075		j
4649	16 PEG	21 50 47.08	+ +25 41 20.87		+0.002	5.07		2.890		2.520	١,	Beili		213374	1	
4650	GAM GRU	21 50 54.45	0 -37 36 03.59	1+0.008	7 -0.017	3.010	411	2.090	' '	12.520	1*	00111			1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBEK	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V. Ņ	BLUE MAG.	B N	UV MAG.	U. N	SPECTRAL CLASS	5 N	SAO CAT.NO.	STAR PROP.	
4651	V 680 CYG	21 51 58.539	+53 34 01.56	+0.0017	-0.020	9.6	6		1	1	Γ	58	6	33841	V	†
4652	79 DRA		+73 27 56 37	+0.0085	1	6.58	4		1		١.	AO	u.	10186		1
4653	DF PEG		+14 19 15 69	+0.0002		8.6	6		100			1 ""		107496	v	-
4654	EM CEP		+62 22 40.46	-0.0010		7.10	 4			1		B3	4	19718	עם	
4655	PI IND	21 52 44.415		+0.0026		6.34						A M?	l .	247230	''	
4656	13 CEP	21 53 12.082		-0.0010		5.80	2	6.52	2	6.50	2	Bair		33864	V2	
4657	17 PEG	21 54 29.982		-0.0020		5.56	-	5.620	٦	0.50	٦	A2V		107528		į
4658	DEL IND	21 54 31.763		+0.0064		4.390	١,		1	4.760	١,	FOIV	1 5	247244	D	
4659	VV CEP	21 55 14.453		-0.0004		4.90			2		2	M2IAEP		19753	ľv	
4660	IR C_P	21 56 19.493		-0.0017		7.96	2	8.86	7	1.03		GO	6	19765	v	
4661	11 PSA	21 56 43.073		+0.0029		7.46	4	2000	ľ		1:	Fo	4	190800	ا ا	
4662	MR CYG		+47 44 37.14	-0.0008			6		1		1	1 ' 0	1	51509	v	
4663	16 PEG	21 57 37.992		+0.0006			2	5.88	2	5.31	2	B3111		127219		
4664	CS LAC	21 57 39.866		-0.0002		8.8	6		T	~ ~ ~	Γ	~~~~		51524	ν	
4665	12 ETA PSA	21 57 58 127		+0.0013			2	5.32	2			BBV		190822	D	
4666	CM LAC	21 58 03.559		-0.0001			6	0,02	-		l	A2	6	51531	v	Ì
4667	BG LAC	21 58 23.044		-0.0008			6	9.62	7		1	,,,_	· ''	51539	Ù.	1
4668	26 AgR		+00 21 50.85	+0.0005			2		2	8,26	۰	GK4		127235	1	
4669	15 CEP	21 58 32.543		-0.0162		5.06	i - i	γ	-	''•	-	F5V	١٠.	10216	100	
4670	20 PgG	21 58 39.098		+0.0039		5.62		-1				DF2		117587	י מ	1
4671	19 PEG	21 58 40.273		-0.0007		5.68						GK5		127239	· ·	
4672	RT LAC	21 59 28.557		+0.0047			6					65	6	51563	V	
4673	EPS IND	21 59 33 047		+0.4822		4.690		5.750	1	6.740	1	K5V	0.	247287		
4674	29 DX B AGR		-17 12 24.16	+0.0010			4				- :			164829	ν	1
4675	29 A AUR	21 59 42.543		+0.0009		7.15						A2	100	164830	0	ı
4676	TT PSA	22 00 22.687	-31 41 14.15	-0.0006	-0.017	7.52	5	9.00	7	10.23	7	M7III	7	213500	v	
4677	14 LZ CEP	22 00 23.523	+57 45 31.12	-0.0006	+0.004	5.56	2		2		2	08.5111+0		339an	V.	1
4678	30 A⊍R	22 00 38.685	-06 45 53.48	+0.0028	+0.009	5.54	2		2		2	G5		145836		ı
4679	51 OMI ANR	22 00 43.658		+0.0011	-0.010	4.69	2		2		2	BOVE		145837	۷?	Į
4680	21 PEG	22 00 51.748		+0.0011		5.70		5.630			1	BOIV		197625		١
4681	13 PSA	22 01 31.187		+0.0011			2		2		ı	K5		213517		1
4682	TW PEG	22 01 43.211		+0.0011		7.0	7					M6-M7	7	90201	V ·	ı
4683	UV PEG	22 01 57.834		-0.0009			6				ł	AO	6	71992	v	- 1
4684	32 AQR	22 02 13.132		-0.0012			2	5.54	2	5,69	2	AM		145853		١
4685	15 CEP	22 02 15.929		+0.0001		6.74	4	17.5				B5	4	34016	ס	I
4686	17 X1 - 1 CEP	22 02 19.143		+0.0286		6.47	4					G	4	19826	מ	1
4687	17 XI - 2 CEP	22 02 20.440		+0.0320		4.29	2	4.63	2	4.72	2	AM		19827	מ	ı
4688	KAP IND	22 02 21.317		+0.0070		5.60						К5		247303		ı
4689	18 MO CEP	22 02 22.854		+0.0042		5.30		6.86	7	8.66	7	GM5		19828	ν	
4690	HK LAC	22 02 57.439		+0.0060			4		7	8.28	7	KOIII	7	F1628	V	1
4691	LAM GRU	22 03 06.497	-39 47 07.80	-0.0017	-0-117	4.460		5.830	1	7.490	1	KZIII		213543		1
4692	22 NU PEG	22 03 09.442		+0.0073			2		2		2	K4III		1272#5		1
4693	34 ALP AGR	22 03 12.946		+0.0011		2.930	1	3.900	1	4.670	1	6218		145862	1.5	١
4694	HT LAC	22 03 17.016	+46 30 05 27	-0.0043	-0.016	6-12	2	7.72	2	9.49	2	GM8		51632	,V ,	١
4695	23 PLG	22 03 18.535		+0.0018	-0.007	5.59		5.540	-			AOV		90217		Į
4696	20 CEP	22 03 29.142	+62 32 28 68	+0.0020	+0.063	5.22						K4III		19847		1
4697	SV PEG	22 03 30.979		-0.0006	-0.002		6					MC	6	72019	V.	ı
4698	19 CEP	22 03 36.232	+62 02 10.44	+0.0001	+0.005		2	5.19	2	4.36	2	09.5IB	7.1	19849	D	1
4699	33 IOT AGR	22 03 44.306	-14 06 46.98	+0.0027			2		2		2	BBV		164861		I
4700	AZ PEG			+0.0002			6	- 1	ŀl		Ι.	MO	6	90231	V	1

TABLE 4 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	100 6 0	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N	MAG.	N	MAG.	N	CLASS	١,	C+T.10.	PPOP.	L
	24 IOT PEG	22 04 40.836	+25 06 00.71	+0.0220	+0.028	3.760	1	4.200	1	4.170		F5V		90238	200	1
4701		22 05 05.486		+0.0128	-0.149		1	1.610	1	1.140		B5V		230992	כואנו	1
4702	ALP GRU	22 05 28.281	-33 14 00 28	+0.0061	-0.033	4.500	1	4.550		4.610		A2V		213576	1	1
4703	3 - T/1	22 05 29.228	+21 27 31.64	-0.0034	-0.065	5.78	2	5.68	2	5.27	2	B 7 V		90252		1
4704		22 05 30.682	-34 17 18 22	+0.0006	-0.045	4.99		6.470				GM1		213577	v	
4705	UPS PSA CX LAC	22 05 38.813	+39 51 43.96	+0.0001		7.9	6		. 1	100		K5	6	72053	٧	1
4706		22 05 14.607	-18 45 54 59	+0.0001		5.74						83	4.5	164888	v	1
4707		22 06 27.303	+12 17 41.85	-0.0021		8.4	4			100		M6E	4	197690	1	1
4708	T PEG	22 06 39.525	±45 29 45.02	-0.0028		6.3					i .	K2III+F8		51684	V	1
4709	AR LAC	22 06 48.305	-08 25 56-25	+0.0041		6.99	4		. !		1, 1	65	11	145905		
4710	36 AQR	22 07 00.491	132 55 30.77		-0.062	5.55						666		72064	ח	ł
4711	27 PI - 1 PEG	22 07 00 471	+50 48 00.12	+0.0002		8.8	6	9.36	7			F8	6	34106	V	١
4712	Y LAC	22 07 07 17 399	-32 47 41.36		+0.015	4.92	2	5.40	2			DF5		213602		1
4713	15 TAU PSA	22 07 13 270	+72 31 23.96		+0.020	7.5	6					MB	. 6	10258	V	1
4714	DM CEP	22 07 23.102	+05 57 04.13		+0.032	3.550	1	3.620	1	3.720	1	A2V		127340	V?	1
4715	26 THE PEG	22 07 40.000	+32 55 55.97		-0.017	4.29	2	4.75	2	4.93	2	F5II-III		72077	ļ	١
4/16	29 PI - 2 FEG	22 07 43 700	-11 04 02.37		+0.029	7.03	4					KO	4	164907		1
4717	37 AgR	22 07 51 620	-11 48 41.98		+0.012	5.46	1.0	5.340		100	l	B6III?		164910	100	- 1
4718	38 -E ANR	22 07 37 17 7	+20 43 53.56		-0.008	6.37		6.490				AUIII		90287		١
4719	28 PEG	22 08 00-107	+72 05 41.00		+0.010	4.79	2	5.71	2	6.32	2	GRIII		10265	١	1
4720	24 CEP	22 08 31.004	+57 57 15.50		+0.008	3.350		4.900	1	6.620	1	K11B	ľ	34137	V?.	
4721	21 ZET CEP	22 09 06.936	-14 26 26.99		-0.039	6.17		1				DF2		164923	V?	
4722	39 AQR	22 09 44 076	+59 10 02.66		-0.006	5.05	2	5.29	2	4.55	2	06F		34149		ı
4723	22 LAM CEP	22 09 40.330	-12 10 26.50		-0.018	7.06	4			100		G5	4	164935	1	1
4724	40 AgR	22 10 40.000	+08 10 38 55		-0.015	8.5	6		1			AD	6	127380	V	Ì
4725	AT PEG	22 10 34.212	-28 00 56-11		+0.002	5.45		5.340	1			BSIII	l	190985	1_	
4726	16 LAM PSA	22 11 20 904	-21 19 25.50		+0.069	5.45	100				1 .	KOIII		190986	Ü	
4727	41 AOR	22 11 36.432	-41 35 46.57		+0.030	4.790	1	5.590	1	6.050		GG4		231055	1	
4728	MU - 1 GRU	22 12 30.040	-77 45 42.41		+0.013	5.51	2	5.82	2	5.94	2	AGIV		258020		
4729	PSI OCT	22 13 02.001	+56 47 37.39		+0.051	4.19	2	4.47	2	4.51	2	FOIV		34227	V	٠.
473v	23 EPS CEP	22 13 11.173	-41 52 36.93		-0.009	5.10	2	6.02	2			GG5		231063		
4731	MU - 2 GRU	22 13 20.470	+37 29 57.05		+0.008	4.13	2	5.59	2	7.21	2	K3II-III		72191		
4732	1 LAC	22 13 47 173	-13 04 53.41		+0.009	5.55	1				1	GKO		164974	1	
4733	42 ASR	22 14 07.320	-08 01 58.75		-0.019	4 - 15	2	5.14	2	5.94	2	GBIII-IV		145991	1	
4734	43 THE AGR	22 14 11.700	-05 38 15.02		2 +0.025	5.75	2	6.63	2	7,14	2	GG4	1	145993	V?	
4735	44 AGR	22 14 29 951	-80 41 24.35		-0.039	5.10	2	6.57	2	7.66	2	M6III		258928	_ v	
4736	EPS OCT	22 14 32.500	-60 30 35.03		0 -0.039	2.850	1	4.220	1	5.750	1	KSIII		255193	D	
4737	ALP TUC	22 15 03.070	-29 51 17.34		8 -0.022	8.5	4					M3E	4	191030	V	
473g	R PSA	22 15 09.009	+13 21 27.53		4 -0.023	8.6	6		1.		1	MB	6	107813	V :	
4739	TX PLG	22 13 31 471	-13 33 21.87		2 -0.009	6.09			ļ	1		GG7		164996	1	
4740	45 AuR	22 16 19.603	+62 33 12-12		++0.020	5.78		1			1	KSIII	1	19991	1	
4741	25 CEP	22 10 37.002	+55 52 30 02		6 +0.001	8.5	6				1	W5	6	34301	V	
4742	GP CEP	22 10 37.341	-08 04 22.44		9 +0.002	5.37	2	5.31	2	4.94	2	B8V		146023	1	
4743	46 RHO AQR	والمصيد والمستحد الماليان	+05 32 15.23		4 +0.004	5.37	2	5.35	2		2	B5111	1	127453	DA5	
4744	30 PEG	22 17 30.303	-07 12 59.69		7 +0.022	9.0	6	1		1		F0	6	146035	V	
4745	ST AGR	22 18 24.50	1-0/ 12 39:07		6 -0.082	5.13		6.200	1 :			K2III		191083	1 _ '	
4746	47 AgR		-21 50 58 35		0 +0.009	4.56	2		2	3.96	2	B6IV		51904	D	
4747	2 LAC		+46 17 03.53		3 +0.007	4.81	12		2		2	BeV		90440	D	
4748	32 PEG		+28 04 41•10 +11 57 09•63		6 +0.012	4.99	2		2		2	B2VE	1	107854		
4749	I 31 PEG	1 22 19 03.316											6	146043	l v	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR (JESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	1	N		B N		N N	SPECTRAL CLASS	S:	CAT.NO.	STAP PROP.	G
			-01 38 23.77	+0.0086	+0.012	3.840	1	3.780	1	3.650	1	B9III		146044	UA5	1
4751	48 GAM AUR	22 19 04.420		+0.0007		8.6	6			1.5		MB	6	51913	V	1
4/52	FW LAC	22 19 20.427	+45 23 51 62		-0.007	6.620		8.630	1	9.620	1	54-7		231105	מט	1
4753	PI - 1 GRU	22 19 41 131	-46 12 02-35				2	5.98	2		2	FOIV		231111	ח	
4754	P1 = 2 GRU	22 20 04 223	-46 10 50 77	+0.0227			6	J., .	-					72272	ν.	1 . 8
4755	T LAC	22 20 08.702	+34 09 40 93		+0.022		ü			2.5	\	A5	4	258931	1	1
4756	b OC₹	22 20 21.891	-89 04 36 36		-0.040	0.04		5.94	2	5.88	2	GOV		258033	n	1.
4757	NU IND	22 20 21.963	51-72 29 58•851		-0.686		š [3.94	٦	3.00	۴	M5	1 6	191102	l v	1
4758	RT AGR	22 20 27.643	5 -22 18 35 64		-0.022	-	6					669	1	191105	1	1
	45 AuR	22 20 43.881	1-25 no 57.72 l	+0.0076	+0.003	5.61			1				4	34387	V	
4759	RW CEP	22 21 13.980	+55 42 36 29	-0.0009	+0.014	6.8	4	4.				MA	-	90462	n	1
4760		22 21 15-061	+20 35 42.07	+0.0240	-0.011	6.01	. 1					DF4		146067	ם	1
4761	33 P∟G	22 21 10.636	-05 05 26.02	+0.0020	-0.000	5.78	2	5.74	2	5.63	2	A0				- 1
4762	51 AuR	22 21 30.000	+51 58 40.98		-0.183	4.44	2	5.46	2	6.23	2	G9111	1	34395		
4703	3 BET LAC	22 21 00001	2 -13 47 00.79		+0.013	5.92		,		1	1	GG6		165044		1
4/64	5c AQR	25 51 40.445	5 +49 13 20.68		+0.001		2	4.67	2	4.33	2	BOIAB		51970		
4765	t LAC	22 22 29 02	1 95 13 20 00		+0.062		2	6.79	2	7.67	2	KOIII	1	258932	1	1
4766	UPS OCT	22 22 39.603	5 -86 13 26.79		+0.005		2	4.60	2	3.64	2	B1VPE		127520		- 1
4767	52 PI AQR	22 22 43.38	2 +01 07 22.87		-0.003		7		1		1	MD	,6.	213810	ν,	1
4768	T GRU	22 22 46.20	7 -37 49 23.55			1 ,	6					F2	6	191138	V	-
4769	T PSA	22 23 20.81	8 -29 20 11.39		-0.019		2	4.44	2	4.37	2	вач		255222	L C	
4770	DEL TUC	22 23 48.04	7 -65 13 18 17		+0.005	6.57	-		-		1	DG1		165077	ן ח	ı
4771	53 -F- 1 AuR	22 23 51.38	2 -16 59 46.26		-0.010	1		1	1		1	DG2	1	165078	ח	- 1
4772	53 -F- 2 AUR	22 23 51.65	9 -16 59 50 22		+0.000	6.35					1	A3	1 4	165079	1	- 1
4773	54 AQR	22 24 02.38	8 -11 28 58 89		-0.008		4	6 07	2	2 3,	2	DF5		127529	ח	ı
4774	34 PEG	22 24 04.66	7 +04 p8 16 86		+0.053		2	6.27	14	6.31	1-	AO	5	213820	l v	
4775	KU GRU	22 24 06.21	6 -37 26 36 66		0.025		7		اءا		2	KOIII-IV	1 ''	127540		
4776	35 PEG	22 25 19.61	9 +04 26 39 41	+0.005	+ -0.306		2	5.86	2	6.74		Bn 5IB	1	20075		
4777	26 CEP	22 25 28.56	7 +64 52 37•17	+0.000	2 +0 • 003	5.46	2	5.83	2	5.24	2	GOIII		213850	n	
		22 25 43.74	7 -39 23 07.96	+0.003	1 -0.164		2	6.42	2		1.		1 .	146107	ח	-1.
4778		22 26 15-26	1 -00 16 35.27	+0.011	9 +0 • 014	4.501	1	4.881		4.871		F2IV	1	146108	D	
4779	55 ZET- 1 AOR	22 25 15 51	4 -00 16 36.08		8 +0.047	4.331	1	4.711	1	4.701	1	F2IV			4 '''	
478g	55 ZET- 2 AUR	22 20 13.31	2 -43 45 06.41		6 -0.003	3.970	1	5.000	1	5.810	1	GG5		231154	V?	- 1
4781	DEL- 1 GRU	22 26 17.34	2 20 21 54 25		6 -0.037	5.77	١.	1			1	A2		10375		
4782	28 C _C P	22 26 21 11	1 +78 31 51.25		8 -0.018		2	7.13	2	9.03	2	GK5	1	127544		- 1
4783	36 PEG	22 26 38.18	5 +08 52 23.15		7 +0.005	4.110		5.680		7.380	1	GM6	1	231161	DA5	
4784	DEL- 2 GRU	22 26 46.69	9 -44 00 20 85				4	3.03.	1		. .	M5E	4	52048	V	- 1
4785	S LAC	22 26 49.37	5 +40 03 34 - 34		0 +0.022			4.030	ılı	4.380	1	F5IB		34508	ער	- 1
4786	27 DEL CEP	22 27 18.52	9 +58 09 31.76		5 +0.005		2	5.86			2	FSIV	1	127551		1
4787	37 PEG	22 27 26.24	7 +04 10 37+65		7 -0.139		2	6.05			2	MOTAB+B		52055		.
4788	5 LAC	22 27 26.53	5 +47 27 01 •65		3 +0.000		٦	1 0.03	٦	1	-	AO		165127		
4789	56 AGR	22 27 36.68	 4 -1 4 50 31•30		5 -0.036		1	5.370	, I	1	1	B9V		72406		1
4790	36 PLG	27 44.36	5 +32 18 58•18		7 -0.010					4.59	12	AOIV		165134		- 1
4791	57 SIG AGR	22 28 00.12	4 -10 56 64.11		0 -0.027		2	4.73	2	*.39	15	GK0		191196	DV?	- 1
4792	ZET PSA	22 28 07.16	9 -26 19 46 83		6 -0.066		1		1			MOIB	7			
	ST CEP	22 28 16.47	70 l+56 44 38•89 l		2 +0.011		16	1	٦	1 - 2 -	1		1 '	52079		- 1
4793			7 +42 51 59.90	-0.000	7 +0.002	4 • 51	2	4.42	2	3.68	ا2	BZIV		213883		- 1
4794	6 LAC		0 -32 36 11.08	+0.005	3 -0.012	4.290	1	4.30	0 1	4.32	1 1	AOV		213884		- 1
4795	17 BET- 1 PSA	22 20 70.07	68 -32 36 41.57		0 -0.022		4		1			1				1
4796	BET- 2 PSA		29 -11 09 44.89		9 -0.042		1		-		1.	A7M		165147		1
4797	58 Auf	22 29 02.36	50 450 01 20 05	+0.014	0 +0.023	3.770	1	3.78	0 1	3.78	0 1	A2V	1	34542		i
4798	7 ALP LAC		8 +50 01 29.96		4 -0.02						1	A5	6			٠,
4799	GX PE	22 29 14.9	76 +29 17 09.39		0 -0.016		1				- 1	A2	1	10402		- 1
4800	29 RHO CEF	1 22 29 27.43	36 +78 34 03.35	 	in Langente		ı	1	- 1		- 1		1.0	1		1

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

	STAR SESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	N N		B N		U N	SPECTRAL CLASS	S	5A0 C1T.110.	STAR PROP.	,
NUMBER		****		+0.0032	-0.017	9.0	6					AO	6	20124	٧	1
4801	wX C _E P	22 29 32.855	+63 15 54 73	+0.0052		4.800	. 1	6.410	1	8.110	1	GM4		255247		1
4802	NU T∪C	22 29 38 365	-62 14 23 27	+0.0113		6.20						F0		107986		1
4803	39 PLG	22 30 10.326	+19 58 18.35	-0.0009			6							20141	V	
4804	XZ CEP	22 30 50.545	+66 53 33.88				2	6.89	2	7.62	2	GG6		146160		
4805	6u AoR	22 31 28 226	-01 49 56 • 01	+0.0022		5.21	2	5.65	2			F3V		191235		1
4806	59 UPS AUR	22 31 57.688	-20 57 53.86	+0.0158			6	3.00	-			F0	6	191236	٧	1
4807	EE AUR	22 31 59.213	-20 07 05.53	+0.0035		8.0 4.000		3.900	١, ا	3.620	1	BBV		146181	ļ	1
4808	62 ETA AQR	22 32 47.203	-00 22 32.77	+0.0059			4	3.500	*	S, OLO	-	K5	4	165178		
4809	61 AQR	22 33 07.403	-17 43 08.50	-0.0022		6.81		6.40	2	la de la compa		A4V		231211	į .	
4810	SIG- 1 GRU	22 33 34.467	-40 50 28-61	+0.0038		6 • 28	2		1			B2V		72508	פו	. -
4811	B B LAC	22 33 38.333	+39 22 07.92		+0.001	6.45	ارا	6.310	1			AO	6	34598	l v	1
4812	RZ LAC	22 33 38 531	1+52 29 03.56	+0.0008	+0.006	8 • 8	6	E -0		4.68	2	BIVE	~	72509	DAS	
4813	E A LAC	22 33 38.561	1+39 22 30 24	+0.0002	-0.002	5.73	2	5.58	2	4.00	٦	A2		231217	ח	
4814	SIG- 2 GHU	22 34 04-113	-40 50 59.56		-0.071	5 • 86	2	5.92	4			F4111		10425		١
4815	31 CEP	22 34 31.982	[+73 23 00·37]		+0.030	5.18	١				1	PEC	4	34614	V	
	W CEP	22 34 32.712	+58 09 59 87	-0.0017	+0.019	6.9	4				1	1 . T	6	34622	V	1
4816	CO CEP	22 34 56.777	+56 38 45.76		+0.003	8.6	6	_	1_			W5	"	1,6210		П
4817		22 35 10.024	-04 29 11.39	-0.0047	-0.114	5.03	2	6.17	2	7.33	2	KZIII		34628		
4818		22 35 18.813	+51 17 11.75	-0.0061	-0.097	4 • 63	2	4.87	2	4.98	2	ATIV		165212	l v	1
4819	9 LAC	22 35 54.870	-14 17 52.56		+0.004	9 • 1	6		1		١.			108064	l n	1
4826	AB AUR	22 35 37.263	+19 15 46.52	-0.0030	-0.095	5.72	1		1			GG7	1.		1 "	-1
4821	46 PEG	22 36 21 232	-10 17 18.75		-0.004	7.16	4					G0	4	165217		-
4822	64 Aur	22 30 30 202	+63 19 27 05		-0.020	5.15		100				A2	1	20190		l'
4823	30 CEP	22 30 32 27	+38 47 22.43		-0.000	4.88	2	4.68	2	3,63	2	097		72575	D	Į
4824	10 LAC	22 37 00 172	-61 48 53.94		-0.022	7.7	7	1	1			MD	6	255280	V	ı
4825	T TUC	22 3/ 10./03	+19 25 12.95		-0.006	6.16		6.160				A2V		108078		-
4826	41 PEG	22 37 21.500	+64 35 42.60		+0.212	9.3	6	9.720						20193	V	- 1
4827	RZ CEP	22 3/ 2/ 923	27 49 17 76		+0.005	4.160		4.040	1	3.700	1	B8VE.		191318	1	. [
4828	18 EPS PSA	22 37 53.636	-27 18 17 76		-0.001	8.2	6	1 ' '	1		1	AOP	6	10449	V	Į
4829	GO CEP	22 38 18 943	+75 23 47.32		+0.016	4.46	5	5.79	2	7.15	2	KSIII	1	52251		- 1
4830	11 LAC	22 38 18 981	+44 00 53-45		-0.023	8.5	6		1		1	F5	. 6	231251	٧	1
4831	M GKU	22 38 22.800	-44 06 08-43		5 +0.000	9.5	6					1		72615	V	- 1
4832	VX LAC	22 38 44.80	+38 03 39 60		++0.001	9.0	6	9.88	17		1	F5	6	34693	V	ı
4833	Z LAC	22 38 53.212	2 +56 34 04 • 93		4 -0.008	3.400		3.310	li.	3.070	1	B8V	1	108103	[D .	-1
4834	42 ZET PEG	22 38 57.996	+10 34 11 39			5.25	2	5.11	2	4.24	2	BZIII		72627	V .	
4835	12 DD LAC		3 +39 57 49.82		6 +0.003	4.79	2	4.78	2	4.77	12	AIV		90717	1	- 1
4836	43 OMI PEG	22 39 24.32	7 +29 02 46.11		4 -0.022	9.0	6	9.70	17	1	1	G5	6	34699	V	- 1
4837	HR LAC	22 39 26.84	+56 10 16 01		3 +0.002	6.17	1"	7.690	ı l			GM5		191337	1	- [
4838	19 PSA	22 39 35.48	6 -29 37 22.08		2 -0.011		١.	3.730		5,330	1	MSII		231258	V	-
4839	BET GRU	22 39 41.44	3 -47 08 48 19		5 -0.006	2.110	6	1 3. 73	' *	3.550	1	K5	6	191345	V	ı
4840	SZ AQR	22 40 07.68	4 -21 26 27.81		4 +0.007	8 • 8			1			Κο	4	165248		- 1
4841	65 AQR	22 40 23.44	6 -10 21 54.38		4 +0.014	7.20		E 001	١.	6.690	1	GGB		231265	ס	
4842	RHO GRU	22 40 36.44	7 -41 40 32•10		0 -0.089	4 - 85		5.88	11	0.090	1	M8	6	90732	V	
4843	BD PEG	22 40 36.96	3 +27 53 42 10		3 +0.006	8.9	6	1	1_	1	12	B9	1 "	146273		
		22 40 37.61	1 -07 13 31 07		6 -0.012	6.41	2	6.37		6.26	2	G811?+F?		90734	DV?	- 1
4844	67 AON 44 ETA PEG	1 22 40 39.26	4 +29 57 33 42		0 -0.021	2.95					1		l l	165252	V?	ŀ
			7 -19 05 33-20		0 -0.024	4.69		6.05	2	7.61	2	KAIII	4		l v	
4846			4 +42 06 25.04		9 +0.013	8.3	4		1			M5E	1 4	35270	1	
4847	R LAC	22 71 02.03	2 -81 38 41.05		4 +0.006	4 • 15	2	4,35	2	4.46	2	DA9		258941	О	J
4848	BET OCT		9 +41 33 23.08		8 +0.008	5.12			1		1	KOIII		52317 34741	V	-
4849	I 13 LAC					8.8	6					LAOP	16	1 TH ////		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	N		B N	13.5	ÜN	SPECTRAL CLASS	۲۰ ۱۰	CAT.NO.	STAF PROP.	
		c2 42 23.740	+30 01 46.18	+0.0027	-0.008	10.6	7				4. Ž	M1	κ.	72690	V	
4851	UY PEG	22 42 34.442		+0.0040		4.850	1	6.030	1	7.100	1	GK2		247570	ŋ	1
4852	ETA GRU			+0.0062			4		.	14.14		An	4	191392		1
4853	20 PSA	22 42 48.015	+19 06 08 89	-0.0019		6.27						GG6		108154	1	1
4854	45 P∟G	22 43 02 039	+23 18 07-41	+0.0042		3.940	1	5.020	1	5,930	1	GBII-III	1	90775		-
4855	47 LAM PEG	22 44 07.173	1+23 10 07.41	+0.0159			2		2	4.67	2	F7V		108165	ח	١
4856	45 XI PEG	22 44 11.582	+11 54 57 • 24	-0.0053			4		_			KO	4	255316	l	
4857	XI TUC	22 44 15.109	-65 49 27.93	-0.0007		9.4	6		1			B5	6	34790	. V.	ı
4858	GX LAC	22 44 15.605	+56 35 18.70	-0.0020				10.340	7			GO	6	34795	V-	ı
4859	CR CEP	22 44 26 990	+59 10 43 23	-0.0020		9.4	6		1			B8	6	34798	V .	1
4860	CO LAC		+56 33 42-12	-0.0072		5.26	Ŭ	6.200				G7III	1	165293		1
4861	66 -G- 2 AJR	22 44 52.131	-19 52 28 69	+0.0006		8.6	6	0.00				B2	6	34810	Į V	1
4862	DH CEP	22 44 54 250	+57 49 13 41	+0.0020		5.70		5.650				В9		165298	רו	-
4863	69 TAU- 1 AUR	22 45 03.557	-14 19 13.84	+0.0020		3.480	۱, ا	3.560	1	3.640	1	A2V		247593	٧?	-
4864	EPS GRU		-51 34 49.24	+0.00117			2	5.20	2	4.70	2	B 5		258946		
4865	XI OCT	22 45 48 680	-80 23 19.00	+0.0022		6.15	-	J.L.	1	, , , ,		DFO	1 .	165308		
4866	70 AQR	22 45 52.389	-10 49 12.64	+0.0003			4					В3	4	20247	V	
4867	AH CEP		+64 47 52 62	-0.0006		8.8	6	9.48	7			G5	6	34841	V	ļ
4868	V LAC	I =500	+56 03 25 20		+0.001	9.9	7		1			м3	1 6	90805	V	
4869	ST PEG		+27 05 35 27		-0.033	3.980		5.570	1	7.510	1	MOIII		165321	٧?	
4870	71 TAU- 2 A.R	1 57 1 4 4 4 4	-13 51 25 17		+0.008	8.7	6	9.53	17	1		G5	6	34850	٧	
4871	X LVC	22 47 00.350	+56 09 48 66		-0.036	3.480		4.420		5.100	11	GBIII	1	90816		
4872	48 MU PEG	22 47 35.191	+24 20 13.72		-0.119	3.530		4.580		5.480		KIIII	1	20268		
4873	32 IOT CEP	22 47 53.504	+65 56 13.80		+0.004		2	5.99	Ιē		2	B3IV?	. [52412	۸5	
4874	14 LAC	22 48 06.148	+41 41 17.87		-0.007	6.03	Ι.				1	GG9	- 1 - 1. i.	191444		
4875	21 PSA	22 48 35 145	-29 48 05.90 -33 08 28.32		-0.021	4.460	1	4.420	1	4.280	1	AOV		214153	UA5	
4876	ZZ GAM PSA	22 49 45 105	103 10 20 02		+0.033	5.02			1		1	GM0	1.	52436	D	
4877	15 LAC	22 49 46.367	+43 ₀ 2 46+84 +09 34 08•98		+0.049	5.16	2	5.64	2	5.63	2	F7IV		127810	1	
4678	45 SIG PEG	22 49 31.922	07 50 46 15		+0.039	3.790		5.440		7.200	1	M2III	1	146362	V?	
4879	73 LAM AGR	22 50 00.375	-07 50 46 15		+0.013	7.9	6	7.92	7			A2P	7	34915	٧	
4880	MX CEP		+58 32 25 27	10.0016	-0.073	6.04	2	6.66	12		1	G3IV	1 .	231343	1	
4881	TAU- 1 GRU	22 50 40.836	3 -48 51 48.33		+0.004	5.81	2	5.73	2	5.41	12	B9		165359	1	
4882	74 AOR	22 50 50 798	-11 52 58 34		+0.073	6.05	2	6.71	2	6.95	2	G1V	1	258084	1	
4883	RHO IID	22 51 12.632	2 -70 20 29 10		+0.005	8.8	6	1	1		1	G5	6	72820	V	
4884	SW LAC	22 51 22.544	+37 40 18 88		-0.045	7.18	4		1		1	KO	4	165366		
4885	75 AGR	22 51 28.94	-12 27 23.02		-0.034	6.19	2	7.47	2	8.88	12	GK3	1	146382		
4886	78 AJR	22 51 57.93	-07 28 15.22		-0.022	3.280		3.330			1	A3V		165375		
4887	76 DEL AOR	22 51 59.902	2 -16 05 13.92		-0.086	5.56	2	6.70	2	7.79	2	KSIII		165376	V?	
4888	77 AGR	22 52 06 620	1 -16 32 15 15		-0.011	8.9	6	77.4				MB	6		V	
4889	TT AQR	22 52 18.390	5 -09 38 29.00 3 -48 45 34.00		+0.058	6.66	4		3			F5	4	231353		
4890	TAU- 2 GRU		+00 47 52.57		+0.006	6.11	2	6.31	12	6.46	2	A3	. 1	127836		
4891	1 Psc	22 52 23.900	1-20 52 43 37		+0.004	9.3	17					MB	- 6		V	
4892	V PSA		2 -29 52 43.37		+0.018	7.60	4			1	1	MB	4	3809	V	
4893	AR CEP		104 40 40 70		+0.019	4.90	2	4.90	2	4.90	2	AIV		127839		
4894	50 RHO PEG		+08 32 55 88		+0.035	4.210		5.180	1		1	GG8		214199	י	
4895	23 DEL PSA		32 48 26 29		7 -0.000	8.3	6							72857	V	
4896	SX LAC		1 +34 55 42.43		2 +0.009	5.90				1	ì	AM		231364	1	
4897	TAU- 3 GRU	22 53 53.41	1 -48 14 11 99		7 +0.004	9.0	16	1			1	N3	6		Į V	
4898	TV LAC		1 +53 57 43.47		4 +0.004	5.58	2	5.44	2	4.61	2	B2IV	1	52512	DV	
4899	16 EN LAC		9 +41 20 11.97		4 -0.040	8.0	4		1			M4E	4	191516	V	
4900	S AGR	1 22 54 25.87	1 -20 36 38.97	TUBUUL	-1-0.0040	1. 5.5	1 '	1000	1	1 1 1 1 1	1			1	1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N		B N	UV MAG.	U N	SPECTRAL CLASS	Ŋ	SAN CAT.HO.	STAP PPOP.	1
004	KZ C _E P	22 50 33 130	+62 36 04.68	-0.0001	+0.006	7.76	7	8.22	7			Bην	7	20332	V.	۱
4901		22 54 55 569	+48 24 59.85	+0.0015		5.48		5.420				B2?PE		52526	٧	1
4902	EW LAC	22 54 51.500	-29 53 15.79	+0.0258		1.160	1	1.250	1	1.310	1	A3V		191524		١
4903	24 ALP PSA	22 54 55.551	120 70 01 00	+0.0145		5.50	۱ŝ	6.17	2		2	G5V		90896	· V?	ı
4904	51 PEG		+20 30 01.00	+0.0008		9.0	6		-	u s	_	0.50	l	52542	V	- 1
4905	TV AND		+42 28 07 17			8.1	6					В8	6	20345	l v	
4906	GT CEP		+68 08 22 19		+0.012		١٠١					FOV		108307	ח	
4907	52 PEG		+11 27 40 19		-0.036	5.72		6.41	2	7.24	2	GK1		127881	n	
4908	PSC PSC	22 56 53.637	+00 41 43.79		-0.066	5.43	2			5.780	1	GSIII		247690	l .	
4909	ZET GRU	22 57 56.340	-53 01 21.83		-0.008	4.110		5.070			2	GOIAP		35039	lν	
4910	V 509 CAS	22 57 58 197	+56 40 37•16		+0.011	5.13	2	6.68	2					146443	1 °	
4911	3 PSC	22 58 04.009	-00 04 58 82		+0.020	6.21	2	7.10	2	7.70	2	GG4	_	52504	l v	
4912	BC AND	22 58 37.580	+46 14 30.62		-0.012	8.7	6					MC	5		1 "	
4913	dl AJR	22 58 47.739	-07 19 48 12	-0.0012	-0.007	6.21	2	7.62	2	9.39	2	GK5	1	146447	V	
4914	1 OMI AND	22 59 36.873	+42 03 25 11	+0.0019	-0.000	3.620		3.530		3.000		B6P	l	52609	l	
4915	82 AGR	22 59 56.808	-06 50 34 - 38	-0.0005	-0.033	6.15	2		2	9.63	2	GM2	1	146465		
4916	2 AND	23 00 17.854	+42 29 18 86	+0.0048	-0.000	5.04		5.170			1	A2		52623	ח	
4917	PI PSA		-35 01 12.70	+0.0058	+0.085	5.11		5.410		i	1	FOIV		214275	ν	
4918	4 BET PSC	23 01 19.867	+03 33 01.75	+0.0007	-0.004	4.52	2	4.40	2	3.90	2	B5PE	l	127934	1	
4919	53 BET PEG	23 01 20.770	+27 48 40 45		+0-142	2.420	1	4.090	1	6.050	1	M2II-III		909A1	עמ	
	CF AND	23 01 22 846	+37 35 03 05	+0.0015	-0.002	8.2	6				l	MC	6	72968) V	
4920	EQ AGR	23 01 38 654	-16 16 45.22		-0.005	9.0	6.	100				M2	6	165473	V	
4921			-54 14 00 -86		-0.110	5.26	1	1.			1	GK5	l	247711	1	
4922	KAP GRU		+49 46 47.88		+0.172	4.66	2	5.72	2	6.60	2	KOIII		52649		
4923	3 AND		+63 07 37.43		-0.008	7.7	5	8.110	7		Γ.	B5	5	20401	V	
4924	CN CEP		+38 06 24-21		-0.004	8.4	6			1	l			72979	l v	
4925	UV AND				-0.038	2.480	_	2.440	1	2,380	1	B9.5111		108378	V?	
4926	54 ALP PEG		+14 56 09-11		+0.015		î		2		2	F2V		146498	0	
4927	83 -H- 1 AUR		-07 57 50 40		+0.002	7.0	1		-	3.00		KO		1465n0	n	
4928	b4 AvR		-08 01 29 15				5	8.74	7		l	M3	6	191638	v	
4929	ER AUR	23 02 44.865	-22 45 25 15		+0.005		4	0.77	Ι΄.		ı	AO	l u	146505	<u> </u>	
4930	85 AuR	23 03 16.432	-08 12 24.77		+0.003	6 - 85	1 1	5.380	l٠	5.970	١, :	669	'	191651	l o	
4931	86 -C- 1 A.R	23 03 59.885	-24 00 49 12		+0.001	4.480		4.720				F6IV		231444	۱ŭ	
4932	THE GHU	23 04 04 199	-43 47 27.19		-0.01B	4.290			1	4.880	1	AOV	l	214313	D	
4933	UPS GRU	23 04 06.933	-39 09 46.52		+0.017		2	5.62	2		1		4	108493	V	
4934	R PEG	23 04 08.222	+10 16 21 49		-0.030	6.9	4		1_		١.	M7E	1 4		, v	
4935	55 PLG	23 04 29.023	+09 08 20 50	+0.0006	-0.010	4.51	2	6.09	2	7.97	2	M2III		127976	1	
4936	1 CAS		+59 08 57 60	+0.0010	+0.006	4 • 86	2	4.83	2	3.96	2	BO.SIV		35147		
4937	87 AgR		-07 57 52 95	+0.0010	-0.050	7 • 35	4		1		١.	A0 _	. 4	146515	l	
4938	56 PEG	23 04 40.342	+25 11 53.04	-0.0003	-0.026	4 - 77	2	6.12	2	7.27	2	KOTBP		91019	V2	
4939	AF SCL	23 04 43.275	-25 51 58.97	+0.0027	7 -0.014	8+5	6	10.04	7	11.48	7	M4III	7	191666	٧	
4940	4 T AND		+46 07 00 • 65	-0.0014	-0.026	5 • 33	2	6.74	12	8.46	2	K5III		52711	D	
4941	AG SCL		-35 53 24.89	-0.0035	+0.032	9.2	6	10.76	17	12.32	7	MB	6	214335	V	
4942	5 AND		+49 01 23.31		+0.137	5.73		1 1 1 1	1 .		1	F5V		52713	1	
4943	5 A PSC		+01 51 18.97		+0.111	5.40	2	6.31	2	6.87	2	GBIV		127993	1	
			+75 07 01.55		-0.023	4.42	2	5.24	2	5.69	2	GZIII	1	10629	ס	
4944	33 PI CEP	23 00 10:007	-30 24 17.77		+0.021	8.7	17	_	1		1	MB	6	214344	V	
4945	Y ScL	25 00 26.900	-21 26 70 20		3 +0.036	3.640	1 1	4.870	1	6.090	11	KOTII	Ī	191683		
4946	68 -C- 2 AOR	25 06 46.980	-21 26 38.94			5.11	2	6.58	2	7.58	2	MATITAS	7	128001	DV	
4947	57 GZ PEG	23 06 59.919	+08 24 21 18		+0.008			5.320		5.700		SGG2+A2	Ι΄.	191687	D	
4948	89 -C- 3 AQR		-22 43 43.97		0.005	4.680					2	B8		128007	! "	
4949	58 PEG	23 07 30.283	+09 33 02 • 54		-0.006	5.39		5.31	12	5.780		KOIII	1	231468	1	
4950	IOT GRU	23 07 32.182	-45 31 04.35	1+0.0130	0.021	3.900	' [*.:	4.920	1	124100	1*	LUDITY.	1	1-3-100	1	

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V		B N		N N	SPECTRAL CLASS	5 tj	SAO CAT.NO.	STAP PROP.	
		23 07 35.234	+59 n3 41•17	-0.0006	+0+014	5.77		6.100				DA9		351A6	9	
4951			+58 55 49 26	-0.0000			6	1.7		•		88	F .	35139	V	1
4952	PV CAS	23 07 33.420	+43 16 31 •53	-0.0179			2	6.39	2	6.34	2	FSIV		52761		1
4953	6 AND	23 00 00 104	+36 37 19.19	+0.0091		9.1	6	9.870	7					73069	٧	1
4954	AB AND		+08 26 53.78	-0.0005			2	5.29	2	5.37	2	A2V	1	128022		1
4955	59 PEG	72 03 12 015	+26 34 36.76	-0.0142		6.22						K01V		91090	1	1
4956	60 PEG		+49 07 58-27	+0.0092			2	4.83	2	4.87	2	FnV	1	52797		١
4957	7 AND		+42 14 21 26	-0.0003		9.1	6		-				l	52797	V	1
4958	CK AND	23 10 39.009	+02 24 10.02	-0.0002		8.1	6			· .		G5	6	128041	V	1
4959	SZ PSC	23 10 30 304	1.56 07 56 72	-0.0011		9.2	6				1	ΑŌ	6	35242	V	-
4960	V 396 CAS		+56 27 56•72 -06 19 07•92	+0.0025		4.22	2	5.77	2	7.64	2	M2III	- '	146595		-
4961	90 PHI AGR	23 11 43.976	+40 31 18.67	+0.0015		8.8	6		-		- ·	MD	6	52832	V	1
4962	TY AND	23 12 21.990	00 51 77 71	+0.0249			ž	5.36	2	6.37	2	KOIII	1	146598	D -	
4963	91 PSI- 1 AUR	23 13 16.342	-09 21 37.71	+0.0012		6.33		3.3-	17.		-	GK3	1	91130	1	-
4964	bl PEG	23 13 19.482	+27 58 30 19	-0.0013			2	6.66	2	8.26	2	GM5		146612	V	
4965	92 CHI ADR	23 14 15 451	-07 59 58 34	+0.0024		8.4	6	0.00	-	.,,,,	-	MB	6	108506	V	Į
4966	EO PLG	23 14 16.422	+10 19 34 46		+0.013	9.1	6		1			G5	6	01141	, v	
4967	EZ PEG	23 14 26 000	+25 26 46 25		+0.089	3.990		4.390	1	4.360	1	FOIII		247814	1	
4960	GAM TUC		-58 30 36 44		+0.022	3.690		4.600			ī	G7111		128085		ł
4909	6 GAM PSC		+03 00 31.65	+0.0012			2	4.26	2		2	B5V		146620		1
497u	93 PSI- 2 ASR	23 15 18.318	-09 27 20 71	+0.0118			5	5.98	2	1		DF6		231539		١
4971	PHI GRU	23 15 24 684	-41 (15 46 60		+0.013	4.86	2		2	8.50	2	GM2	1	52871	- פעם	
4972	A,ID	23 15 25 132	+48 44 30 65		-0.013	6.3	6	6.260	17	0.30		B9P	6	52876	l v	İ
4975	ET AND	23 15 34.873	+45 12 56 35		-0.007	5.9	۱ ×	0.230	1.		1	A3		528A1	V	-
4974	9 AN AND	23 16 00 640	+41 30 01 • 04		-0.064	4.410	1	5.540	1,	6.600	11	GBIII	1	214444	1	- 1
4975	GAM SCL	23 16 07.705	-32 48 16 84		+0.003	4.98	2	4.96	2	0.000	1	AOV		146635	DV?	1
4976	95 PSI- 3 AQR	23 16 21 648	-09 53 u3.68		-0.088	7.6	١٠	1,00	1-		ļ	K2V		165624	ח	ı
4977	94 B AGR	23 16 28 764	-13 43 38 44			5.08	2	5.88	2	1	1	G5IV-V	1	165625	1 n	Į.
4978	94 A AUR		-13 43 52.31		-0.098	4.76	2	5.60	2	6.09	2	KOIII		20554	DV?	ı
4979	34 OMI CEP	23 16 33.630			+0.022		2	5.94	2	5.94	2	F2		146639	D	١
4986	96 AGR	23 16 48 401			-0.016	5.55	٢	3.95	15	3.77	1-	KOIII		52907		
4981	11 A; D	23 17 09.545	+48 21 03.09		+0.061		6		Ţ.	1, 101, 0		"""		3887	V	
4982	AN CEP	23 17 12.446	+82 44 13.75		-0.001	9.2	١٥١		}		ı	GMO		52914		
4983	10 AND	23 17 29.158	3 +41 48 14.77		+0.015	5.77	12	6.25	10	7.37	2	KZIII		128126		
4984	7 -B PSC	23 17 47.637	+05 06 29.24		-0.056	5.05	2	0.23	2	1.57	١	M6E	4	128130	l v	
4985	S PEG	23 18 00.950	+08 38 42 05		-0.028	7.3	2	4.77	2	4.87	2	ASIV	1	91186	l v	.
4986	62 TAU PEG	23 18 09.505	+23 27 59-22		-0.002	4.60	-	4.77	٦	4.07	1	GMO	1	73187	j	-
4987	b3 PEG	23 18 22.336	+30 08 30 •63		-0.064	5.65			1	1 1 1 1	1	DF5	1 .	73190		
4988	12 AND	23 18 28.09	7 +37 54 32.77		-0.060	5.66	6		1	100	1	GO	6	165644	V	
4989	XY AGR		2 -17 47 25 68		-0.012	8.8	P	5.230	, I	1	1.0	B3V	1	73205	l n	
4990	64 PEG	23 19 28.13	1 +31 32 17.67		-0.005	5.34	٦	5.40	2			A3	1	165658	D	
4991	97 Aur	23 20 02.01	1 -15 18 50 • 34		+0.022	5.20	2			1	1	89.51V		91220		į
4992	65 PEG	23 20 10.89	3 +20 33 15.75		-0.012	6.19	1.	5.080		6.030	1,	KOIII	1	191858		
4993	98 -B- 1 AGR	23 20 20.77	9 -20 22 25.51		7 -0.090	3.980	1	3,000	1	0.030	1	KSIII		108580	D	
4994	66 PEG		7 +12 02 22.34		3 -0.012	5 • 12	1.	6 96	2	0.10	2	KZIII		258970	1 "	
4995	TAU OCT		0 -87 45 27 44		+0.011	5.49	2	6.76	12	8.19	۲	M4	6	165676	V	
4996	RU AGR		3 -17 35 38 10		+0.015	8.8	6	E 000	J.			BOILI	l °	73241	1	
4997	67 PEG	23 22 23.65	6 +32 06 35.86		L +0.004	5.41		5.290	'		1		1	20614		
4998	4 CAS	23 22 36.33	0 +62 00 29.34		5 -0.006	5.08	1_	1		1	L	MIIII	1			
4999	68 UPS PEG	23 22 52.79	9 +23 07 43•20		0 +0.043	4.41	2	5.02	2	5.16	2	FRIV	1	91253	1	
5000	99 -B- 2 AQR	23 25 29	8 -20 54 58.53	1 -0.0038	8 -0.054	4.400	11	5.870	11	7,670	11	KSIII	1	1737200	1	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	В 2	UV MAG.	U N	SPECTRAL CLASS	N N	SAn C-T-HO.	STAR PROP.	G N
		23 23 49.239	-52 59 55.03	+0.0037	+0.131	5.54	\neg					F3IV		247874		
5001	OMI GRU B KAP PSC	23 23 47.237	+00 58 53.91	+0.0057		4.94	2	4.98	2	4.94	2	AP		128186	٧	
5002	8 KAP PSC EW AND	23 24 35.172	+49 14 28 27	-0.0012		8.5	6		1			NB	, 6.	53036	V	1
5003	9 PSC		+00 50 51.75	+0.0028	-0.030	6.25	2	7.27	2	8.07	2	GG7		128198	٧?	1
5004			+42 38 11.22	+0.0081		5.59		5.590				B9.		53039	1	1
5005 5006	13 AND 69 PEG		+24 53 32.38	+0.0019	-0.035	5 . 82		5.760				AOIII		91278		
	10 THE PSC	23 25 25.805	+06 06 14.76	-0.0082	-0.041	4 • 30	2	5.38	2	6.41	2	KIIII	. 1	128196	v	1
5007	AH SCL	23 25 47.971	-31 40 41 - 74	-0.0038	-0.004	9.2	6	10.78			7	МВ	6	214568	\ \ \	1
5008	[[전 : 제 : 조 : 제 : [- 1 : 2 : 2 : 2 : 2 : 2 : 2 : 2 : 2 : 2 :	23 26 37.409	+12 29 04 42	+0.0044	+0.034	4 • 56	2	5.50	2	6.24	2	GBITI		108638		1
5009		27 26 52.962	-02 03 59.72	-0.0010	-0.017	6.59	4					KO	4	146733		1
5010	11 PSC 12 PSC	23 26 56.398	-01 18 40 25	-0.0013	-0.027	7-10	4.					G0	1 4	247905	l v	1
5011	AN TUC	23 27 33.672	-58 42 07.46	+0.0049	+0.009	9.8	6	13.4	1		١_	A5	6	35478	עמ	1
5012 5013	AR CAS	23 27 42.774	+58 16 23 29		+0.010	4.94	2	4.82	2	4.18	2	B3V]	53108	v	1
5014	BG AND	23 28 34.006	+42 59 21.91		+0.036	9.1	6		١,			GBIII		73311	1	1
5015	14 AND	23 28 49.484	+38 57 41 12		-0.076	5.22	2	6.24	2	7.10	2	A7N		191970		
5016	100 AGR	23 29 04 853	1-21 38 44.06		+0.007	6+24		7	٦	0 66	2	GK1	1	146756		
5017	13 PSC	23 29 23.586	-01 21 43.93		+0.022	6.38	2	7.56	2	8.66	-	GVI	1	108667	V	1
5018	DI PEG	23 29 43.302	+14 41 34.46		-0.016	8.7	6	4.28	2	3.92	2	AP	i .	214615		
5019	BET SCL	23 30 17.688	-38 05 42.35		+0.020	1	6	7.880		3.32	~	ÃO	6	35532	V	1
5020	V 436 CAS		+57 37 45 85		-0.001	7.6 4.720		4.740		4.750	1.	AI	1	191988	סן	1
5021	101 -B- 3 AQR		-21 11 27.66		+0.017	5.34	1 *		1	4.100	-	GM5		91340	. V?	1
5022	71 PEG	23 30 57.620	+22 13 21 -53		-0.014	9.5	6				1	PEC	16	53146	V	1
5023	Z AND	23 31 15.316	+48 32 31 • 54		+0.003	5.04	ľ				ı	KATIT	1 7	73341	0	I
5024	72 PEG	23 31 28.032	+31 02 57 19		-0.007	5.87	2	6.17	2	6.33	12	A3M?		146780		1
5025	14 PSC	23 31 34.697	-01 31 25.75 +07 38 53.97		+0.012	8.8	6	" "	1			A2	6	128261	V	
5026	Y PSC		+33 13 14.01		+0.027	5.56	-	1	1		1	GKO		73345		
5027	73 PEG	23 32 09.553	+39 57 38 30		-0.040		2	5.69	2	5.77	2	IIISA		73346		1
5028	15 AND	23 32 10.30	42 53 30.27		+0.005	4.71	2	4.79	2	4.86	2	AP		231675	עם	1
5029	IOT PHE	23 32 23.520	+01 02 12.54		-0.021	6.65	4					K0	4	128270		1
5030	15 PSC 16 PSC	23 32 50.114	+01 49 28.45		+0.062	5 • 67	2	6.11	2	6.03	2	DFO	1	128281		
5031	GG AND	23 34 53.525	+46 49 51 92		+0.006	8.8	6		1		1.		1	53195	V V	1
5032 5033	16 LAM AND	23 35 06.520	+46 11 13.82	+0.015	-0.416	3.820	1	4.840		5.540	1	G8III-IV	1	53204	V	-
5034	74 PEG		+16 32 55.04		+0.004	6.08	1	6.080	וי			A2V		108729	l v	1
5035	V 403 CAS	23 35 13.911	L +54 34 13.43		+0.011	9.0	6	1	. [1	G5	6	35610 108732	D ^V	
5036	75 PEG	23 35 25.09	7 +18 07 24.71		+0.024	5.49	1.	5.460				AIV		53216	V?	-
5037	17 TOT AND	23 35 40.605	5 +42 59 28 21		+0.004	4.29	2		2	3.90	2	B8V	6	192052	ľ	1
5038	ES AGR	23 35 43.946	D -23 49 56.68		-0.006	9.4	6		7	1		M3 A	6	20743	ľ	1
5039	XX CEP	23 36 00.130	0 +64 03 26.73		+0.018	8.6	6			1 .		M5	4	35640	l v.	1
5040	SV CAS	23 36 35.97	7 +51 59 07 • 63		-0.001	6.7	4	5 000	, I	1	1	MS	"	35642	1	
5041	18 AND	23 36 42.41	6 +50 11 40.85		8 +0.000	5.27	4	5.210	'		1	1 33		231718	1 6	1
5042	THE- 1 PHE	23 36 46.73	7 -46 54 54 72		+0.053	7.35	4				1	A3	4	231719	Ď	1
5043	THE- 2 PHE	23 36 47.31	1 -46 54 55 65		5 +0 • 039	5.00	17	5.240	١١		1	A5	1	165818	1 11	1
5044	102 OME- 1 AGR		8 -14 29 54.40		7 -0.034	3.210	١.			5.190	1	Kiiv	1 .	10818	V?	1
5045	35 GAM CEP	23 37 16.53	3 +77 21 11.73		8 +0 • 156	4.13	1 2		ĺż		2	F7V		128310	1	1
5046	17 10T PSC		3 +05 21 18.60		1 -0.432	4.14	2			1	2	Bav		53264	D	
5047	19 KAP AND	23 37 56.25	9 +44 03 25.16		5 -0.015	5.31	2				1	KOIII	1	214701	٧?	
5048	MU SCL	23 38 00 94	3 -32 20 58 98		3 -0.050		16	1 3.53	1.	1	ì	GK5	1	165834	1	1
5049	103 A-1 AQR	23 38 58.97	3 -18 18 12.73		9 - 0.067 0 -0.008	8.8	16				1	A5	6	128331	V	1
5050	DK PEG	23 39 00.79	6 +09 56 19•19	+0.002	u -u•uua	0.0	ľ			1	1	1		1		丄

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	Ŋ	BLUE MAG.	В	13V MAG.	U N	SPECTRAL CLASS	5 11	SAT .NO.	PROP.
TOPIOCK			.1.2 .0 05 01	-0.0014	-0.053	8.4	6							53278	V
5051	WY AND	23 39 02.132	+47 19 05 91	+0.0009		4 - 84	2	5.65	2	6.14	2	GOIR		165836	V.?
5052	104 A- 2 AGR	23 39 10.135	-18 05 38 16	-0.0087		4.51	2	4.72	2	4.79	2	A7V	i .	128336	
5053	18 LAM PSC	23 39 29.636	+01 30 17.32			4.51	2	4.47	2	4.34	2	B9.5V		165842	ח
5054	105 OME- 2 AGR	23 40 07.808	-14 49 17.44	+0.0066			4	.7.4.	-		-	KO	4	108742	1
5055	76 PEG	23 40 11.351	+16 03 29.32	+0.0063		6.51	2	6.74	2	8.77	2	GM2		108789	٧?
5056	77 PEG	23 40 49.519	+10 03 13.86	+0.0004		5.06	٦	0.77	ا ما	0.11		GM7EP	1	165849	V
5057	R AUR	23 41 14.186	-15 33 41.79	+0.0020		5.8	ایا	E 00	ا ۱	6.52	2	KOIII	1	91457	D .
5058	78 PEG	23 41 28.241	+29 05 04·11	+0.0054	-0.032	4.93	2	5.89	2	0.52	٦	Bav		165854	
5059	106 -I- 1 AGR	23 41 36,555	-18 33 16.30	+0.0019	+0.002	5.24		5.150	ا ۱	1		A5	1	165867	l n
5060	107 -I- 2A AGR	23 43 25.172	-18 57 22 27	+0.0093		5•29	2	5,57	2		1	A5	4	165868	D
5001	-I- 28 AJR		-18 57 26.72	+0.0114	+0.048	7.0	4						"	53355	1
5062	20 PSI AND	32 .875 د د	+46 08 33+54	+0.0009		4 • 96		6.100			ا ۱	G5IB	1	128374	l v
5063	19 TX PSC	23 43 50 103	+03 12 33.74	-0.0024	-0.015	5.04	2	7.65	12	11.15	1	C6+2	4	231773	l v
	SX PHE	23 43 34.191	-41 50 51.87	+0.0235	-0.852	7 • 51	4				1	AO	4		1
5064	5 TAU CAS	23 44 36.094	+58 22 24 18	+0.0079		4.94		_	ا ا			Killi		35763 248018	
5065	SIG PHE	23 44 37.216		+0.0007	-0.011	5.18	2	4.99	2	10.00		B5		146915	1
5066		23 45 22.259		+0.0062	+0.010	5.49	2	6.43	2	7.13	2	GRIII			l v
5067	20 PSC	23 46 11.566		+0.0008		9.2	6	8.810	7			F2	6	146923	1.
5068	BS AQR	23 46 19.467			-0.101	4.570	1	4.570	1.	4.560		AOV.		192167	n
5069	DEL SCL	23 46 13.707	+61 56 11.81		+0.005	5.42	2	6.08	2	6.06	12	ASIA	1	20869	DV?
5070	6 CAS		+00 47 54.47		-0.024	5.77	5	5.93	12	6.04	2	A2	1	128401	1
5071	21 PSC		+28 33 50 55		+0.030	5 • 89			1		1	A3	1	91522	1
5072	79 PEG	23 47 07 247	+47 13 47.51		+0.021	8.3	16	· ·	1	1	1	M6.	7	53416	V
5073	TZ AND	23 48 21.310	-19 11 13.92		+0.004	5.17	2	5.04	2			BOP	7	165918	V
5074	108 -I- 3 ASR	23 48 46 443	100 02 10 26		-0.057	5.79	2	7.45	2	9.18	2	6M3	1	128421	
5075	BO HH PEG		+09 02 10 26		-0.013	5.11	2	6.03	2	6.63	2	G7III	1	258989	
5076	GAM- 1 OCT	23 49 14.400			-0.010	5.54	2	7.07	2	8.92	12	K4II		128427	
5077	22 PSC	23 49 24 . 141			+0.003	9.2	6		1	" -		M2E	6	165928	V
5078	Z AjR	23 49 40.068	3 -16 07 57.32			5.03	1		ı		1	GM2	1	108878	1
5079	B1 PHI PEG	23 49 56.428	+18 50 33.39		-0.030	5.29	Į.			1		A3	1	108879	V2
5080	82 PEG	23 50 03.929	+10 40 09.09		+0.009		4		1 .	1		Ko	14	91552	1
5081	83 PEG	23 50 07.490	+21 27 52.98		-0.021	6.78		6 00	2	8.07	2	GKO		146953	1
5082	-H- 2 AGR	23 50 16.149	9 -09 16 28 44		-0.017	5.75	2	7.00	2	7.96	2	669	1 .	146954	ם
5083	1 24 PSC	23 50 21.399	-03 25 59.47		-0.041	5.93	2	1.00	16	7.30	1-	100,	1	20912	V
5084	TZ CAS	23 50 26.800	1 +60 43 27 64		+0.013	9.0	6	6.27	2	6.26	2	AO		128436	1
5085	25 PSC	23 50 31.01	7 +01 48 45•34		1-0.006	6.28	2	5.85	2	7.00	2	FBIAP		35879	V
5086	7 RHO CAS	23 51 52.42	2 +57 13 16.52		+0.005	4.59	2	5.85	14	7.00	1-	FOIN		53474	V
5087	GL AND	23 52 25.640	0 +45 06 54•77		+0.014	8.5	6			F 05	1	Al	-	128466	1
5088	26 PSC	23 52 34.16	3 +06 47 34.70		0.013	6.21	2	6.14	2	5.95	2	M7	. 7	53480	l v
5089	RS AND	23 52 49.81	6 +48 21 36 49		7 -0.010	8.5	16		1_		1	Bn.5II	1 '	35899	l v
5090	V 373 CAS	23 53 02.61	2 +57 08 02.01		+0.002	6.00	2	6.22	2	5.50	2		7	248066	ľ v
5091	R PHE		0 -50 03 55.02		0.004	7.5	17	1			1	M3E	1. "	3994	v
	V CEP	23 54 03.93	5 +82 54 46 25	+0.025	40.017	6.42		1		l		A2		258996	'
5092	GAM- 2 OCT	23 54 51 66	1 -82 26 52 62	-0.014	3 -0.020	5.73	2	6.78	12	7.70	12	GG9		255609	
5093			2 -64 34 33.31	+0.014	2 -0.065	5.00	2		2	5.14	2	A2	1		
5094			6 +24 51 48.72		-0.027	4.66	2	6.25	2	7.92	2	M3III	1	91611	l v
5095	B4 PSI PEG		8 -09 14 15.35		0.061	8.9	4				1	M3E	- 4	147001	ľ
5096	V CET	17 55 25 17	2 +15 40 30 -53		5 -0.057	9.0	6		1		1.		1	108933	'
5097	U PEG	23 55 23.11	6 -16 07 32.92		5 -0.005	6.26	2	7.34	2	8.37	2	GG8		165972	1
5098			E 1 E1 06 36 30		3 +0.014	4.8	- 1		1		1	GM7E	1	35938	DV
5099			5 +51 06 36 38		3 -0.068	4.86	12	5.79	2	6.49	2	GOIII	1	147008	D
5100	27 PSC	[23 56 U6 · / 6	2 -03 50 00 24	1 -0.000	-0.000	1	1 ~		1.		1	1	1	1	_L

TABLE 4 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAA CAT.NO.	STAR PROP.	G N
5101 5102 5103 5104 5105 5106 5107 5108 5109 5110 5111 5112 5113 5114 5115	PI PHE 8 SIG CAS S PHE 28 OME PSC CG AND TAU PHE WZ CAS THE OCT 29 PSC 30 PSC 85 PEG ZET SCL 31	23 56 27.677 23 56 29.695 23 56 44.493 23 57 19.974 23 58 30.781 23 58 41.893 23 59 03.312 23 59 23.718 23 59 33.64 23 59 33.64 23 59 50.38	+44 58 30.09 -49 05 17.74 +60 04 37.42 -77 20 30.44 -03 18 20.81 -06 17 30.91 +26 49 02.92 5 -14 57 15.21 -29 59 57.06 7 +08 40 42.68	-0.0005 -0.0157 +0.0009 +0.0033 +0.0628 -0.0009 +0.0008	+0.001 +0.005 -0.109 -0.020	5.14 4.88 7.4 4.010 4.480 6.37 5.71 6.9 4.780 5.11 4.41 5.75 5.000 6.32 5.69	1 2 4 1 2 2 2	4.82 4.430 4.390 6.30 6.62 6.030 4.99 6.04 6.42 4.840 6.50 6.00	1 2 1 2 2 2	3.99 4.500 4.110 7.430 4.48 7.88 6.47 4.270 6.64 6.01	1 2 2 2	K1111 B1V M3E F4IV B7V A P G8III NA K2III B8III M3IV G3V S7-3 B4III A5	4	248087 35947 248090 128513 255619 53568 231895 21002 258207 147041 147042 91669 166005 128544 128547	0 V V V2 V3 V3	141

TABLE 3
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC		P N	RA DEC PM PM	VISUAL MAG.	> 2	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SA0 C T.NO.	PROP.	
1	G ALP CMA	06 42 56.713	-16 38 46.37	c	-0.0379 -1.211	-1.460	1	-1.460	1	-1.960	1	A1V		151881	Û	ĺ
	ALP CAR		-52 40 03.44		+0.0029 +0.022	-0.730		-0.580	1	-0.530	1	FOIR		234490	1.00	1
2	ALP CEN		-60 37 48.84		-0.4904 +0.712	-0.280		0.440		0.770		G2V+DK1		252838	ח	١
3	16 ALP BOO		+19 26 30.95		-0.0776 -1.999	-0.050		1.180		2.460		KZIIIP		100944	٧?	-
4	3 ALP LYR		+38 44 09.68		+0.0171 +0.285	0.030		0.030		0.030		AOV	100	67174	DV2	١
5	13 ALP AUR		+45 56 58 03		+0.0077 -0.423	0.080		0.880		1.330		GBIII?+F		40196	DV3	1
b			-08 15 28 65		-0.0002 -0.002	0.130				0.550		BSTA		131907	DV2	١
7			+05 21 16.81		-0.0473 -1.029	0.370		0.790		0.820		F5IV		115756	רעם	1
ь	10 ALP CMI		+07 23 57.92		+0.0017 +0.010	0.420		2.260		4.380		MZIAR		113271	DV	١
9	58 ALP ORI	05 52 21.609	F7 20 31.92		+0.0129 -0.028	0.480				-0.350		BSIV		232491		- 1
10	ALP ERI	01 35 51.307	-57 29 24 93	1		0.620				-0.620		BITI		252582	D	ł
11	BET CEN		-60 07 58-09		-0.0027 -0.023	0.760		0.980		1.070		A7V		125122	ř	-
12	53 ALP AQL		+08 44 05 - 71		+0.0362 +0.387	0.860		2.400		4.320		KSIII		94027	ον	-
13	87 ALP TAU		+16 24 37.51		+0.0045 -0.189			2.750		4.080		MITE		184415	'nν	١
14	21 ALP 500		-26 19 21.95		-0.0005 -0.023	0.910						BIV		157923	V	- 1
15	67 ALP VIR	13 22 33.301			-0.0029 -0.033	0.970		0.740		-0.200				79656	DV2	1
10	76 BET GEM		+28 08 55-11		-0.0474 -0.051	1.140		2.140		3.000		KOIII		191524	342	
17	24 ALP PSA		-29 53 15.79		+0.0258 -0.161	1.160		1.250		1.310		ASV			DV2	
18	50 ALP CYG		+45 06 03.11		+0.0001 +0.005	1.250		1.340		1,110		AZIA		49941		
19	BET CRU	12 44 47.037	-59 24 56.53		-0.0050 -0.017	1.250		1.020		0.030		Bn.5IV		240259	ĎΛ	
20	ALP- 1 CRU		-62 49 19.43		-0.0036 -0.017	1.317		1.067		0.067		B1IV		251904	D	
21	32 ALP LEO		+12 12 44.54		-0.0170 +0.003	1.350		1.240		0.880		B7V		98967	JA5.	
22	21 EPS CMA	06 56 39.587	-28 54 10.24		+0.0001 +0.002	1.500		1.290		0.360		B2TI		172676	n	
23	66 ALP GEM	07 31 24.654	+31 59 59 07	C	-0.0134 -0.102	1.580		1.620		1.630		A1V+AM		60198	ם	
24	GAM- 1 CRU	12 28 22.727	-56 50 00.33		+0.0035 -0.267	1.630		3.220		5.180		M3II		240019	DV?	
25	35 LAM SCO	17 30 12.626	-37 04 09.63		+0.0001 -0.029	1.630	1	1.410		0.520		B1V	100	208954	٧_	
26	24 GAM ORI	05 22 26.828	+06 18 21.71	1	-0.0008 -0.014	1.640	1	1.420	1	0.540	1	BZIII		112741	1/3	
27	112 BET TAU	05 23 07.710	+28 34 01.74	1	+0.0019 -0.175	1.650	1	1.520	1	1.030		B7III		77168		
28	BET CAR	09 12 39.662	-69 30 39.63		-0.0288 +0.102	1.680	1	1.680	1	1,710	1	ALIV		250495		
29	46 EPS ORI		-01 13 56.30		-0.0002 -0.002	1.690	1	1.510	1	0.480	1	BOTA	1	132346		
30	ALP GRU		-47 12 14.54		+0.0128 -0.149	1.740	1	1.610	1	1.140	1 .	B5V		230992	DA5	
31	50 ZET ORI		-01 58 02.98		-0.0001 -0.002	1.770	1	1.560	1	0.500	1	09.5IB+B3		132444	DV3	
32	77 EPS UMA		+56 13 51 • 13		+0.0131 -0.010	1.770	1	1.750	1	1.760	1	AOPV		28553	V	
33	50 ALP UMA		+62 01 16.80		-0.0168 -0.071	1.790	1	2.860	11.	3,780	1	KOII-III		15384	DA5	
34	33 ALP PER		+49 41 06.03		+0.0026 -0.022	1.790	1	2.270	1	2.660	1	F5IB		38787	/V.	
35	ALP- 2 CRU		-62 49 22.27		-0.0041 -0.014	1.828	1	1.578	11	0.578	1	B3N	100	İ	D	
36	GAM- 2 VEL		-47 11 18.31		-0.0006 +0.004	1.830	1	1.580	1	0.640	1	C 7+07?		219504	DAS	
37	25 DEL CMA		-26 18 45.36		-0.0006 +0.003	1.840	1	2.510	1	3.050	1	FSIA		173047	100	
38	20 EPS SGR		-34 24 36.94		-0.0026 -0.125	1.850		1.820	1	1.690	1	B9IV		210091	n ·	
39	EPS CAR		-59 20 52.98		-0.0033 +0.015	1.860		3.140		3.330		KOTI+B		235932	٧?	
40	85 ETA UMA		+49 33 44.12		-0.0129 -0.014	1.860		1.670		0.990		B3V		44752	V?	
41	THE SCO		-42 58 05.15		+0.0015 +0.000	1.870		2.270		2.490		FOIB	١.	228201		
42	34 BET AUR		+44 56 40.68		-0.0052 -0.001	1.900		1.930		1.970		AZV	1 : 1	40750	DV	
43	24 GAM GEM		+16 26 37.40		+0.0030 -0.044	1.920		1.920		1.970		AOIV		95912	1	
44	ALP TRA		-68 56 19.89		+0.0052 -0.034	1.920		3.360		4.910		KAIII		253700	1	
			-56 53 50 02		+0.0019 -0.085	1.940		1.740		1.030		BSIV		246574	V?	
45			-54 31 28 26		+0.0025 -0.079	1.960		2.000		2.070		AOV		236232	D	
46	DEL VEL		-17 55 47.23		-0.0009 -0.004	1.970		1.730		0.770		BIII-III	7	151428	V.	
47	2 BET CMA				-0.0012 +0.028	1.970		3.420		5.140	١î	K4111		136871	V?	
48	30 ALP HYA		-08 26 27.47		+0.0138 -0.144	2.000		3.150		4.280	lî .	KZIII		75151	V?	į
49	13 ALP ARI		+23 13 37.07		-0.0005 +0.011	2.000	1	10.100	1*	7.200	1	PEC		84129	v	
50	T CRB	12 21 24.202	+26 03 39+04		-0.0000 L.0.01T	2.00	1	1.5	1	1	1	1 '	i	1	l i	: 1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

		5 1	AR DESIGNATIO	N5_	AND STAR	DATA OR	DEKEU D	_	**30×2		3 11 1001		1			-740	G
- 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		RT. ASCEN.	DECLINATION	PΤ	RA	DEC	VISUAL \	4	BLUE	В	0.	U	SPECTRAL	5	SAO CIT.NO.	STAR PROP	N
	STAR		DECETION I TAIL	N	PM	PM	MAG. I	۷.	MAG.	N	MAG.	N.	CLASS	N	C 7 1 • NO •	PROF	<u> </u>
NUMBER	DESIGNATION	HR MN SEC	DEG MIN SEC					-+					1.01		308	עם	i
	100	01 48 48.786	+89 01 43.73		+0.1811 -	0.004	2.020	1	2.620		3.000		FRIR		147420	. 45	i
51	1 ALP UMI	01 48 40.700	-18 15 38.78		+0.0163 +	0.036	2.020	1	3.030		3.910		K1III		197448		ł
52	16 BET CET	00 41 04.811	-26 21 38.29		+0.0010 -		2.030	1	1.810		1.060		B2V		54471	כעת	l
53	34 516 5GR	18 52 09 927	35 01 31 74		+0.0146 -	0.109	2.050	1	3.620	1	5.580		MOIII			٧?	
54	43 BET AND	01 06 55.456	+35 21 21 • 74		-0.0002 -		2.050	1	1.870	1	0.850	1	BO.SIE		132542	V	i i
55	53 KAP ORI	05 45 23.013	-09 41 09.45		+0.0104 -		2.060		1.950	1	1.480	1	B9P		73765		1
56	21 ALP AND	00 05 47.841	+28 48 52-12		-0.0429		2.060		3.050	1	3.950	1	KOIII-IV		205138	V?	1
57	5 THE CEN	14 03 43.8//	-36 07 29 64		+0.0080			1	2.220	1	2,320	1	ASII		102932		1
58	55 ALP OPH	17 32 36 696	+12 35 41.92		-0.0086			1	3.550	1	5.320		K4III	ŀ	8102	\ \V?	1
59	7 BET UMI	14 50 49 645	+74 21 35.57	1 1	+0.0135	-0-016	2.110		3.730	1	5.330	1	MSTI	1	231258	1	
60	BET GRU	22 39 41.443	-47 08 48-19	1	+0.0003		2.120	1	2.070		1.700	11	B8V		38592	סט	i i
61	26 BET PER	03 04 54.356	+40 45 52 46		-0.0343	-0-119	2.140		2.220	1	2.300	1	A3V		99809	DV.	1
62	94 BET LEO	11 46 30 605	+14 51 05 80		-0.0192		2.170		2.160	1	2,150	1	AOIII		223603	D	
63	GAM CEN	12 38 44 898	-48 41 07.32	1 1	+0.0041	-0-048	2.179		3.389	1	4.309		K3II	1	37734	ם	
64	57 GAM- 1 AND	02 00 49.177	+42 05 27.01		-0.0020	+0.012	2.210	ī	3.860		5.670	1	K51B		220878	DV	
65	LAM VEL	09 06 09.310	-43 13 47.60	ll	-0.0014		2.220		3.740		5.620		K5III		30653	D.	ŀ
66	33 GAM DRA	17 55 26.576	+51 29 38 52		+0.0064		2.230		3.400		4.520		KOII-III	1	21609	DV	1
67	18 ALP CAS	00 37 39.313	+56 15 48 • 60		+0.0001		2.230		2.900	11	3.440	1	Fain	1	49528	DV3	1
68	37 GAM CYG	20 20 25.927	+40 05 44.57		-0.0002	-0-002	2.240		2.020		0.960		09.511		132220	עם	ı
69	34 DEL- 1 ORI	05 29 27.017	-00 20 04.41	1 1	+0.0090	-0.002	2.240		2.220		2.190	1	AOV	1	A3893	· V	
7 0	5 ALP CRB	15 32 34 145	+26 52 54 - 75		-0.0027		2.250		1.980		0.890	1	05F	1	198752		1
71	ZET PUP	OB 01 49.552	-39 51 40 83		-0.0025	+0.005	2.250		2.430		2.590	1	FOI	1	236808	V?	
72	IOT CAR	09 15 45.109	-59 03 53 69	H	+0.0679	-0-177	2.270		2.610		2.730	1	F2IV		21133	DV	1
73	11 BET CAS	00 06 29.735	+58 52 26 . 77	1 1	-0.0492	-0-17	2.290		3.450		4.610		K2III-IV	1	208078	V?	١
74	26 EPS 500	16 46 55.206	-34 12 15.56		+0.0139	-0.255	2.292		2.312		2.342		A2V	1	28737	DA5	15
75	79 ZET- 1 UMA	13 21 54.916	+55 11 09.46		+0.0139	-0.525	2.293		3.443		4.443	1	KOIII	1	81298	D	-8
76	41 GAM- 1 LEO	10 17 13.120	+20 05 42.86		+0.0218	-0.047	2.300		2.080		1.160		B1V		241047	D	1
77	EPS CEN	13 36 42.322	-53 12 46.33	1	-0.0025	-0.01,	2.300		2.100			1	B2II	1	225128	עת	1
78	ALP LUP	1 14 3A 35.530	-47 10 29.32		-0.0017	0.020	2.310		2.120				B1.5V?NE	ı	225044	DV?	1
79	ETA CEN	14 32 19.306	-41 56 21.77		-0.0032		2.320		2.200		1.300		BOV		184014		ı
80	7 DEL SCO	1 15 57 22.318	3 -22 28 51 37	ł	-0.0007		2.370						KOII-III	-	83500	D	-
61	36 EPS 800	1 14 42 48.13	+27 17 02.66	1	-0.0038	+0.010	2.370						AIV	j	27876	V?	1
82	46 BET UMA	in 58 50.25	+56 39 03•11		+0.0098							11	BOIV?E	-1	11482	עס	1
83	27 GAM CAS	Inn 53 40.324	i +60 26 47•38		+0.0034	-0.000	2.390						KZIB	1	127029	DV?	
84	B EPS PEG	1 21 41 43.756	5 I+09 38 41•69	1	+0.0020	+0.005	2.390						KOTTT		215093	1	
85	ALP PHE	nn 23 49.029	9 -42 34 38+54		+0.0187		2.400		2.0			i li	B2IV	. [209163	V-	1
86	KAP SCO	17 39 01.54	3 -39 00 22•76	1	-0.0006	-0.029	2.410	1:	2.470	:1;			A2.5V		160332	ם	1
87	35 ETA OPH	1 17 07 30.46	1 -15 39 52•89	, IL	+0.0026		2.420	١:	-				M2II-III		90981	۷۵	
	53 BET PEG	1 23 01 20.77	D +27 48 40•45)	+0.0142		2.420					آآة	BSIA		173651		1
88		1 17 22 06.97	2 -29 12 16•04	H	-0.0006	+0.002	2.440						AOV	1	28179	V?	ſ
89	31 ETA CMA	11 51 12.56	6 +53 58 21•97		+0.0105	+0+007	2.440					n I i	A7IV-V		19302	D	
90		1 21 17 23.18	1 +62 22 23•74	1	+0.0215	+0.052	2.450						KOIII		70474	D	1
91			8 +33 46 55-14	۱I ا	+0.0285	+0.329	2.460						B9.5111		108378	٧?	- 1
92		al 23 02 16.06	2 +14 56 09•13	L	+0.0043		2.480						BZIV	1	236891		
93		na 20 33.85	31-54 47 47.30) [-0.0009		2.500					0 1	M2III		110920		
94	** Table T		4 +03 53 41.1	5	-0.0008	-0.074	2.530						BZIV		224538		1
95	92 ALP CE		0 -47 02 34.8	5	-0.0056	-0.044	2.550		2.33	0 13	1.42	. 1		1	216113		
96			2 -40 30 15.1	5	-0.0045	+0.023	2.554			4 1		7 1	A3V	. [:	81727		1
97			5 +20 47 52.6	7	+0.0102	-0-135	2.560	1	2.68				A4V	1	160006		1
98	68 DEL LE	11 11 2/100	7 -10 28 02.8	1	+0.0008	+0.023	2.560) 1					09.5V	-	150547		
99			4 -17 51 24-1	١١				L	2.77	0 [1	3.02	u li	FOIB	1	130347		
99 100	- - 7		4 -17 51 24-1	B	-0.0004			1	2.77	0 1	3.02	0 1	FOIR		130347		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR LESIGNATION	RT. ASCEN.	DECLINATION DEG MN SEC	P N	RA DEC PM PM	VISUAL V	- 1		B N	* 1	N.	SPECTRAL CLASS	ر 1	SAN CAT.NO.	STAR PROP.	G N
				╁	-0.0114 +0.018	2.580 1	†	2.470	1	2.120	1	BSIII		157176	٧?	
101	4 GAM CR	12 13 13.84	17 15 51 84		-0.0011 -0.001	2.590 1	- 1	2.670		2.720		AZIII		197600	ס	1
102	38 ZET SGF	18 59 25 89	-29 57 12.79	-	-0.0066 -0.023	2.610 1		2.500		2.130	1	BBV		140430		
103	27 BET LIF		-09 11 58 93	1	+0.0041 -0.082	2.620 1	•	2.540		2,360	1	B9.5PV		58636	UA5	1
104	37 THE AUF	05 56 18.62	+37 12 40 05	1	+0.0001 -0.027	2.640 1		2.520		2.050	1	BBVE	1	196059	יאט ?	
105	ALP Col	05 37 50.21	-34 05 58 73		+0.0091 +0.044	2.640 1		3.810		5.060	1	K2III	l	121157	ו	1
106	24 ALP SCI		+06 34 53.93		+0.0001 -0.058	2.64 1		3.520		4.170	1	GSIII		180915	۲۷	1
107	9 BET CR		-23 07 13.60		-0.0034 -0.012	2.65		2.560		1.750		BZIVNE	١.	239689	ŊΥ	1
106	DEL CEI	1 77	5 -50 26 38 33	1	+0.0069 -0.108	2.650 1		2.780		2.880	1	A5V		75012	٧۶	1
109	6 BET AR		+20 33 52 09		+0.0400 -0.045	2.680 1		2.810		2.940		A5V		2268	V	1
110	37 DEL CA	01 22 31.49	8 +59 58 34 - 35	21		2.680 1		3.260		3,460		GOIV	1	100766	1	1
111	8 ETA BO	13 52 18.16	8 +18 38 51.35	'	-0.0045 -0.363	2.680 1		2.460		1.610		BZIV	1	225335	1	-
112	BET LU	14 55 14.78	7 -42 56 02.06	: l	-0.0034 -0.043	2.680 1		2.450		1.640		B3TR		208896	1	
113	34 UPS SC	17 27 21.66	2 -37 15 28.57		-0.0001 -0.032	2.690 1		3.590		4.160		GSIII		222321	D.	
114	i MU VE	10 44 56.81	8 -49 09 19•66	1	+0.0072 -0.050	2.690		4.220		6.000		KSII	1	57522	٧?	1
115	3 IOT AU	04 53 43.98	2 +33 05 19•94		+0.0003 -0.018	2.700		4.320		5.570		KSIII	l:	107795	V?	
116	PI PU	07 15 22.55	0 -37 00 23.90	2	-0.0010 +0.003	2.700		2.500		1.660		B3TV	1	251974	JV.5	1
117	ALP MU	12 34 10.69	3 -68 51 36.83	5	-0.0074 -0.016			4.080		5.630		KZIII	1	186691	יי	
118	19 DEL SG	18 17 47.55	4 -29 51 04.68	3	+0.0030 -0.029	2.700 3		2.628		1.774		B0.5V	1	159682	יער י	1
119	BET- 1 SC	16 02 31.50	7 -19 40 12.45	5	-0.0004 -0.021	2.720		4.240		5.920		KSII	1	1n5223		1
120	50 GAM AQ	19 43 52.90	7 +10 29 24.38	3	+0.0011 +0.002			2.760		2.770		A2V]	204371		
121	IOT CE	13 17 46.68	3 -36 26 56 86		-0.0282 -0.089	2.740	•	3.100		3.070		FOV+FOV		138917	יייין	1
122	29 GAM VI	1 12 39 07.45	2 -01 10 31.5	3 JC	-0.0379 +0.008			3.650		4.350		GRIII	1	17074	בער	
123	14 ETA DR	1 16 23 18•47	6 +61 37 37 10	9	-0.0033 +0.059			4.340		6.300		MITTI		141052	100	1
124	1 DEL OP	16 11 43.32	5 -03 34 01.4	Ц	-0.0032 -0.145			2.900		2.990		AM	1	158840	ח	
125	9 ALP- 2 LI	14 48 06.44	7 -15 50 06.5	9	-0.0075 -0.071			2.540		1.540		09.5V	1	251093	1	
126	THE CA	10 41 10.05	2 -64 07 55.3	5	-0.0032 +0.008			3.710		4.400		GSIII		R4411	V?	1
127	27 BET HE	16 28 04.10	5 +21 35 50 • 10	5	-0.0071 -0.017			3.940		5.180		KZIII	1	122671		1
128	60 BET OP	1 17 41 00.04	1 +04 35 11.8	4	-0.0028 +0.159	1		2.530		1.450	lī	09111	1	132323	DV3	1.
129	44 IOT OR	05 32 59.12	6 -05 56 28.2	6	-0.0003 +0.001			3.780		4.410	1	G2II		30429	D	١
130	23 BET DR	17 29 18.00	9 +52 20 15.6	5	-0.0024 +0.013			2.580		1.760		B2VN		225938	D	
131	GAM LU	15 31 47.99	0 -41 00 00.9	7	-0.0014 -0.031			2.920		3.020		ASIII	1	131794	V?	١
132	67 BET ER	05 05 23.36	5 -05 08 58.5	4	-0.0067 -0.089			3.420		3.530		GZIV		255670		-1
133	BET HY	[00 23 09.37	4 -77 32 08.5	9	+0.6884 +0.327			3.240		3.430		F6IIP		175217	VC	1
134	15 RHO PL		1 -24 09 32.3		-0.0064 +0.048	2.810		2.560	ļ,	1.550		B0V		184481	1	1
135	23 TAU 50	16 32 45.90	6 -28 06 50 5	6	-0.0006 -0.025			3.460		3,670		GOIV		65495	د ۱۵۸	1
136	40 ZET HE	R 16 39 23.98	8 +31 41 32•1	ı lc	-0.0369 +0.39			3.850		4.750		K2III		186841		1
137	22 LAM Se	R 18 24 53.05	9 -25 27 04.1	b	-0.0032 -0.185			2.570		1.660		BZIV	1	239791	V2	
138	DEL CH	U 12 12 28.60	0 -58 28 14.8	0	-0.0049 -0.010			3.120		3.220		AM		164644	DV	
139	49 DEL CA	P 21 44 16.99	2 -16 21 18.4	2	+0.0182 -0.294		1	3.780		4.520	ī	G911-111		100384	V?	-1
140	47 EPS VI	R 12 59 41.21	0 +11 13 38.9	0	-0.0187 +0.01		+	4.300		5.840		KSIB		244725		- 1
141	BET AF	A 17 21 08.20	4 -55 29 06 • 1	0	-0.0001 -0.024		1	3.660		4.130		GSTII	1	170457	ח	
142	9 BET LE	P 05 26 06.09	0 -20 47 52.9	0	-0.0006 -0.09					1.750		BZIV		91781	V	-1
143	BB GAM PE	G 00 10 39.4°	7 +14 54 20 • 5	41	+0.0002 -0.00			2.970		2.190		BIIB		56799	DA3	1
144	44 ZET P	R กา 50 58•9!	59 +31 44 12.5	5	+0.0005 -0.00			3.140		3.190	Ιī	F2IV		253346	1	
145	BET T	A 15 50 42.9	30 -63 16 42.5	9	-0.0278 -0.39			4.220		5.750		KSIII		255193	D.	1
146	ALP T	c 22 15 05.6°	90 -60 30 35•0	3	-0.0080 -0.03			3.710		4.280		GOIB	1	145457	D	1
147	22 BET A	R 21 28 55.6	50 -05 47 31•6	8	+0.0013 -0.00	2.870	· i.					B9.5111		48796	DV?	- 1
148	18 DEL C	6 19 43 24.6	71 +45 00 28•2	3 0	+0.0046 +0.04							B7111	1	76199	D,	1
149		U 03 44 30.4	24 +23 57 07•5	7	+0.0014 -0.04						Πî	FOV		248474	1	1
150		I 01 57 11.7	03 -61 48 45.4	31	+0.0379 +0.03	3 2.870	ı	1.3.152	1 +	1 30576	′ *	1 ' ' '	ì	1	1	1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER 151 152 153 154 155 156 157 158 159	DESIGNATION 13 MU GEM 20 S16 SCO GAM TRA 41 PI SGR 3 BET CMI 45 EPS PER 12 ALP- 2 CVN 6 PI SCO	16 18 08.667 15 14 12.588 19 06 47.450 07 24 26.357 03 54 29.432	DEG MN SEC N +22 32 27.98 -25 28 28.14 -68 29 48.82 -21 06 17.49 +08 23 29.89	+0.0040 -0.0007 -0.0110 -0.0000	-0.023 -0.031	MAG. N 2.870 1 2.880 1		510 1	6.370 2.320		M3TII B1TII		78297 194336	ייני טעי	1
152 153 154 155 156 157 158 159	2U SIG SCO GAM TRA 41 PI SGR 3 BET CMI 45 EPS PER 12 ALP- 2 CVN 6 PI SCO	16 18 08.667 15 14 12.588 19 06 47.450 07 24 26.357 03 54 29.432	-25 28 28.14 -68 29 48.82 -21 06 17.49 +08 23 29.89	-0.0007 -0.0110 -0.0000	-0.023 -0.031	2.880 1							194336	ייי	
152 153 154 155 156 157 158 159	2U SIG SCO GAM TRA 41 PI SGR 3 BET CMI 45 EPS PER 12 ALP- 2 CVN 6 PI SCO	16 18 08.667 15 14 12.588 19 06 47.450 07 24 26.357 03 54 29.432	-25 28 28.14 -68 29 48.82 -21 06 17.49 +08 23 29.89	-0.0110 -0.0000	-0.031		1 0.								i
153 154 155 156 157 158 159	GAM TRA 41 PI SGR 3 BET CMI 45 EPS PER 12 ALP- 2 CVN 6 PI SCO	15 14 12.588 19 06 47.450 07 24 26.357 03 54 29.432 12 53 41.478	-68 29 48.82 -21 06 17.49 +08 23 29.89	-0.0000	-0.031			900 1	2.870		AIV		253097		
154 155 156 157 158 159	41 PI SGR 3 BET CMI 45 EPS PER 12 ALP- 2 CVN 6 PI SCO	19 06 47.450 07 24 26.357 03 54 29.432 12 53 41.478	-21 06 17.49 L +08 23 29.89	-0.0000		2.890 1	1 -	240 1	3.460		F211-111		187756	ן יי	ĺ
155 156 157 158 159	3 BET CMI 45 EPS PER 12 ALP- 2 CVN 6 PI SCO	07 24 26.357 03 54 29.432 12 53 41.478	+08 23 29 89		-0.035	2.890 1			2.520		8 7 V	ł	115456	1/2	1
156 157 158 159	45 EPS PER 12 ALP- 2 CVN 6 PI SCO	03 54 29.432	1.30 =2 02.53	-0.0036	-0.040	2.890 1		B00 1	1.710		B0.5V		56840	יאט.	ļ
157 158 159	12 ALP- 2 CVN 6 PI SCO	12 53 41.478		+0.0015		2.890 1		710 1	2.450	1	99.5PV	Į	63257	עס	1
158 159	6 PI 500		+38 35 16 82	-0.0201	+0.052	2.890 1		770 1	1.820		B1V		183987	יאט און	1
159			-25 58 18 14	-0.0007	-0.027	2.910 1		710 1			KOIII		234735		1
	TELL DOD	06 48 41.683	-50 33 15.49	+0.0033	-0.074	2.920 1		.120 1	5.330		GAIII?+A3	•	23789	ח	1
	TAU PUP	07 01 (19.595	+53 18 44.28	+0.0000	-0.002	2.930 1	·	.630 1	4.080	1: 1		1	145862		i
160	23 GAM PER	03 01 03.333	-00 33 48.59	+0.0011	-0.004	2.930 1		900 1	4.670	1.	G2IR		149283	D	1
161	34 ALP AGR		-13 38 58 17	+0.0039	-0.110	2.940 1		.540 1	6.520		MULLI	11.	157323	DV?	
162	34 GAM ERI		-16 14 14 14	-0.0148		2.940 1		.890 1	2.800		B9.5V?N		224471	עמ	
163	7 DEL CRV		-42 13 31 64	-0.0020		2.940 1		.780 1	2.040		B2V?PNE	ĺ	90734	7V?	
164	MU CEN		+29 57 33.42	+0.0010		2.950 1		810 1	4.380		G8117+F?		228069	10	1
165	44 ETA PEG		-49 50 19.60	-0.0025		2.950 1		.780 1	2.090		B2.5V	1	180531	V?	1
166	ALP ARA		-22 20 30.12	-0.0052	+0.010	2.980 1		.320 1	5.790	1	KSITI	1	A1004		1
167	2 EPS CRV		+24 00 19.62	-0.0033	-0.015	2.980 1		.790 1	4.250	1	GOII		78682	2עם	1
168	17 EPS LEC		+25 10 56.92		-0.015	2.980 1		.380 1	5.840		GBIB		39955	DV	1
169	27 EPS GEN		10 50 35	+0.0001		2.990 1	1 3.	.530 1	3.860		ABIA	1		V2	1
170	7 EPS AUF		+43 45 05.35		-0.185	2.990 1	L 4,	.000 1	4.770		KOIII		209696	1	ļ
171	10 GAM SGF	18 02 35.678	3 -30 25 35 80		-0.095	2.990 1	L 3	.000 1	2.990	1	AOV?NN		104461	ח	1
172	17 ZET AQL		+13 47 15 86	10.0120	-0.037	3.000 1		.140 1	3.260	1	ASIII	1	55306	V2	1
173	4 BET TR	02 06 33.57	+34 45 06.52	10.0047	-0.049	3.000		.920 1	4.580	1	GRIII		181543	\ \'	
174	46 GAM HY	13 16 11 86	-22 54 29 88	A0 0087	-0.017	3.010		.890 1	2,520	1	BBITI	1	213374		1
175	GAM GH	21 50 54.45	37 36 03.59	-0.0064	-0.032	3.010		.150 1	5.270	1	KIIII		43629		
176	52 PSI UM	11 06 51.58	3 +44 46 12.60	10.0028	-0.032	3.010		890 1			A5III		39053	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1
177	39 DEL PE	₹ 03 39 21.24	L +47 37 46.34	0.0025	-0.001	3.010		.930 1	2.130	1	BBIA	1	172839		1
178	24 OMI- 2 CM	07 00 56.14	2 -23 45 32.46	-0.0005	+0.003	3.020		.840 1			B2.5V		196698		
179	1 ZET CM	1 06 18 23.54	5 -30 02 23.86	+0.0004	+0.149	3.020		210 1			ATIII		64203	DV	1
180	27 GAM BO	14 30 03.83	7 +38 31 34 • 11			3.020		5.530 1			F2IA		228420	ח	1
181	10T- 1 Sc	0 17 44 05.10	0 -40 06 34.94		L -0.006	3.030	- :	.810		ılı.	B1.5V		208102	DV	- 1.
182	MU - 1 SC	16 48 28.67	9 -37 57 48.92	-0.0010	-0.029	3.030		840 1		ılı :	BZIVP	1	77336	V .	
183	123 ZET TA	i ns 34 39.26	3 +21 06 50•00		-0.022		- 1	3.304 1		ili	A911		250695	ם	1.
184	UPS- 1 CA	el no 45 51.16	8 -64 50 22.20		5 +0 • 007	3.040		4.460			GM6E		129825	DV	1
185	68 OMI CE	T 62 16 49.04	5 -03 12 13.39		8 -0.233	3.040	- 7	+ 640 1			MOITI		43310	V?	1
	34 MU UM	al in 19 21.46	9 +41 45 06 25		+ +0 • 030	3.050					B2.5V		252019	ח	-
186	BET MU	5 10 43 11.49	2 -67 50 05 16		6 -0.024			2.870 1			A311-111		8220	٧?	1
187	13 GAM- 2 UM	1 15 20 47.34	71+72 nO 42•971		1 +0•019			3.100			M511	.	102680	D۷	1
188	64 ALP- 1 HE		8 +14 26 45.34	-0.000	5 +0 • 034	3.060		1.510		1	G9111		18222		1
189			4 +67 34 25.02	+0.015	8 +0.093	3+070		4.070			K511?+B?		87301		1
190	57 DEL DR	6 10 28 42.22	2 1+27 51 12 44 1	+0.000	1 -0.002	3.080		4.210			F8V+A0		163481		-
191	6 BET- 1 CY	0 10 18 12-20	0 -14 56 26.57		7 +0.003			3.870			K011-111	1	117264		
192	9 BET- 2 CA	A DR 52 45.09	2 +06 08 13.25		8 +0 • 010			4.100			M3II	-1 :	209957	ס	
193		P 1 10 14 14.57	3 1-36 46 43 49 1		7 -0 - 166			4.670			KSIII		156256		1
194	ETA SG	10 47 09-33	1 -15 55 53.45	+0.006	2 +0.196	3.110		4.350	5.62		KOIII		230300		
195	NU HY		9 -47 28 02.93	+0.005	5 +0.070	3.115		4.115			K2III	-	196240		Ţ
196	ALP IN		7 -35 47 09.73	+0.004	1 +0.402	3.120		4.280		٠ <u> ۲</u>	GG7	- 1	154177		
197	BET Co	0 00 20 25 77	2 -12 53 34.10	-0.003	9 -0.048	3.13		4.13		۱.		1	251472		
198	22 PL		7 -62 44 34.60		7 -0.008	3.130		3.090			8911		61414		
199	LAM CE	1	5 +34 36 18.56		1 +0.013			4.680	6.63	UII	MOIII	1	01717	''	J

ORIGINAL PAGE IS OF POOR QUALITY

202 203 204 205 205 207 208 209 210 211 212 213 214 215 215 217 218 219 221 222 223 224 225	ZET KAP G G I OT N N N N N N N N N N N N N N N N N N	ER 17 12 RA 16 55 EN 16 55 EN 09 25 EL 09 25 EER 17 13 GRA 17 06 PUUP 06 30 JMA 09 2 LIR 05 04 JMA 05 07 LIR 05 04 L	58.555 28.422 53.910 6 47.626 42.071 5 18.212 2 31.962 8 38.146 5 13.796 5 00.214 9 31.489 8 26.380 5 20.563 7 07.390	-55 54 -41 54 +48 14 -56 48 +36 51 -27 02 +65 46 -43 09 +41 10 +51 54 -64	48.63 17.68 22.05 47.60 51.83 38.48 33.99 04.09 08.38 23.18		-0.0017 -0.0016 -0.0017 -0.0443 -0.0042 -0.0025 +0.0040 -0.0040	-n.001 +0.003 +n.001 +0.021		1 1 1 1	3.210 1 4.740 1 2.930 1 3.330 1 4.690 1 4.600 1 3.050 1		3.290 6.680 2.150 3.400 6.570 6.260 2.690	1 1 1 1 1	A31V K5111 B2V A7V K5111 K311 BB111		44315 244315 225344 42630 237067 65890	λ Λ Ω υ
202 203 204 205 205 207 208 209 210 211 212 213 214 215 215 217 218 219 221 222 223 224 225	ZET KAP G G I OT N N N N N N N N N N N N N N N N N N	RA 16 54 EN 14 55 MA 08 55 EL 09 29 ER 17 14 GRA 17 00 UP 05 0 UWA 09 2 CIR 04 3 CIR 04 3 CIR 04 4 CIR	28.422 53.910 42.071 518.212 231.962 31.46 513.796 510.214 931.489 26.380 20.563 707.390	-55 54 -41 54 +48 14 -56 48 +36 51 -27 02 +65 46 -43 09 +41 10 +51 54 -64	48.63 17.68 22.05 47.60 51.83 38.48 33.99 04.09 08.38 23.18		-0.0017 -0.0443 -0.0042 -0.0025 +0.0040 -0.0040	-0.027 -0.235 -0.001 +0.003 +0.001 +0.021	3.130 3.140 3.140 3.160 3.160	1 1 1	2.930 1 3.330 1 4.690 1 4.600 1	1	2,150 3,400 6,570 6,260	1 1 1	B2V A7V K5III K3II		225344 42630 237067 65890	D V
203 204 205 207 208 209 210 211 212 213 214 215 215 217 218 219 221 222 223 224 225	KAP 9 IOT N N N N 10 PH 22 ZET NU 10 ETA 25 THE ALP 2 EPS 1 PI - 3 27 KAP 64 ZET	EN 14 55 MA 08 55 EL 09 29 EER 17 13 GGR 16 47 EVP 05 00 MA 09 22 MA 14 30 EEP 05 0 4 EEP 05 0 4 EEP 05 0 4	53.910 647.626 942.071 518.212 31.962 338.146 513.796 500.214 931.489 326.380 526.380 707.390	+48 14 -56 48 +36 51 -27 02 +65 46 -43 09 +41 10 +51 54 -64 45	22.05 47.60 51.83 38.48 33.99 04.09 08.38 23.18		-0.0443 -0.0042 -0.0025 +0.0040 -0.0040 -0.0006	-0.235 -0.001 +0.003 +0.001 +0.021	3.140 3.140 3.160 3.160	1 1 1	3.330 1 4.690 1 4.600 1	1	3.400 6.570 6.260	1 1 1	A7V K5111 K311		42630 237067 65890	V
204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 217 218 219 221 221 222 223 224 225	9 IOT N N N N N N N N N N N N N N N N N N N	MA 08 55 EL 09 29 ER 17 13 GR 16 47 PUP 06 30 AMA 09 22 AMA 09 22 AMA 05 00 AMA 05 01	9 42.071 9 18.212 2 31.962 3 38.146 9 13.796 3 00.214 9 31.489 3 20.563 7 07.390	-56 48 +36 51 -27 02 +65 46 -43 09 +41 10 +51 54 -64 45	47.60 51.83 38.48 33.99 04.09 08.38 23.18		-0.0042 -0.0025 +0.0040 -0.0040 -0.0006	-n.001 +0.003 +n.001 +0.021	3.140 3.160 3.160	1	4.690	l l	6.570	1	K5111 K311		65890	
205 206 207 208 209 210 211 212 213 214 215 215 217 218 219 221 222 223 224 225	N b7 PI 27 PHI 22 ZET NU 10 ETA 25 THE ALP 2 EPS 1 PI - 3 27 KAP 64 ZET	ER 17 13 6GR 18 42 0RA 17 08 0PUP 06 36 0UR 05 03 0MA 09 2 0FI 14 3 0FI 04 4 0FI 04 4	5 18.212 2 31.962 3 38.146 5 13.796 3 00.214 9 31.489 5 26.380 3 20.563 7 07.390	+36 51 -27 02 +65 46 -43 09 +41 10 +51 54 -64 45	51.83 38.48 33.99 04.09 08.38 23.18		-0.0025 +0.0040 -0.0040 -0.0006	+0.003 +0.001 +0.021	3.160 3.160	1	4.600 1	1	6.260	1				V?
207 208 209 210 211 212 213 214 215 215 217 218 219 221 222 223 224 225	27 PHI 22 ZET NU 10 ETA 25 THE ALP 2 EPS 1 PI - 3 27 KAP 64 ZET	GR 16 42 RA 17 00 PUP 06 36 AUR 05 03 JMA 09 2 CIR 14 3 EP 05 0 ORI 04 4 500 17 4	2 31.962 3 38.146 5 13.796 3 00.214 9 31.489 3 26.380 3 20.563 7 07.390	-27 02 +65 46 -43 09 +41 10 +51 54 -64 45	38.48 33.99 04.09 08.38 23.18		+0.0040 -0.0040 -0.0006	+0.001 +0.021	3.160				2 600	1. 1	RRTTT	1		1
208 209 210 211 212 213 214 215 215 216 217 218 219 220 221 222 223 224 225	22 ZET NU 10 ETA 25 THE ALP 2 EPS 1 PI = 3 27 KAP 64 ZET	TRA 17 00 00 00 00 00 00 00 00 00 00 00 00 00	3 38.146 3 13.796 3 00.214 9 31.489 3 26.380 3 20.563 7 07.390	+65 46 -43 09 +41 10 +51 54 -64 45	33.99 04.09 08.38 23.18		-0.0040 -0.0006	+0.021			0.0001	L	2.070]		1	1A7239	1
209 210 211 212 213 214 215 216 217 218 220 221 222 223 224 225	NU 10 ETA 25 THE ALP 2 EPS 1 PI = 3 G 27 KAP 64 ZET	OUP 06 30 OUR 05 03 JMA 09 20 IR 14 3 EP 05 0 ORI 04 4 500 17 4	3 00.214 3 00.214 9 31.489 3 26.380 3 20.563 7 07.390	-43 09 +41 10 +51 54 -64 45	04.09 08.38 23.18		-0.0006				3,060	1	2.630	1	BEIII		17365	
210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225	10 ETA 25 THE ALP 2 EPS 1 PI - 3 G 27 KAP 64 ZET	JMA 05 03 05 05 05 05 05 05 05 05 05 05 05 05 05	3 00.214 9 31.489 3 26.380 3 20.563 7 07.390	+41 10 +51 54 -64 45	08.38		- 1 - 1 - 1	-0.005	3.170	1	3.060		2.650	1	BBIII		218071 40026	V2
211 212 213 214 215 210 217 218 219 220 221 222 223 224 225	25 THE ALP 2 EPS 1 PI - 3 27 KAP 64 ZET	JMA 09 2 IR 14 3 EP 05 0 ORI 04 4 500 17 4	31.489 3 26.380 3 20.563 7 07.390	+51 54	23.18		+0.0026	-0.067	3.180		3.000		2.330		B3V		27289	ກັ
212 213 214 215 216 217 218 219 220 221 222 223 223 224	ALP 2 EPS 1 PI = 3 G 27 KAP 64 ZET	IR 14 3 EP 05 0 ORI 04 4 500 17 4	26.380 3 20.563 7 07.390	-64 45	30 30		-0.1029	-0.540		1		1	3.670		F6IV F0VP		252853	1
213 214 215 216 217 218 219 220 221 222 223 224 225	2 EPS 1 PI - 3 G 27 KAP 64 ZET	EP 05 0 ORI 04 4 500 17 4	3 20.563 7 07.390	-22 26	22.30		-0.0291	-0.238	3.190		3.430 4.650	:	3.550 6.420		KSIII		170051	V?
214 215 216 217 218 219 220 221 221 222 223 224 225	1 PI - 3 G 27 KAP 64 ZET	DRI 04 4 500 17 4	7 07.390		12.86		+0.0013	-0.071	3-190		3.650		3.640		F6V		112176	V?.
215 216 217 218 219 220 221 222 223 224 225	G 27 KAP 64 ZET	500 17 4		+06 52	32.26		+0.0311		3.190 3.190		4.360	i	5.540		K1III		209318	
21b 217 218 219 22u 221 222 223 224 225	64 ZET	DPH 16 5	b 27.172	-37 01	45.62		+0.0045		3.200		4.360	ī	5.520		KZIII		121962	.1
217 218 219 220 221 222 223 224 225				+09 27	04.81		-0.0001	-0.010	3.200		4.190		4.950		GBII		71070	
219 220 221 222 223 224 225		CYG 21 1	0 48.357	+30 01	15.51		-0.0198	+0.156	3.210		4.240		5.190	1	KIIV		10818	V?
221 221 222 223 224 225		EP 23 3	7 16.533	-00 58	16.06		+0.0024	+0.007	3.220		3.150		3.030		B9.5111		144150 225691	V
221 222 223 224 225			8 43.494 8 04.851	-40 28			-0.0014		3.220	1	3.000		2.130		BZIV	1	141046	
222 223 224 225		_UP 15 1 OPH 16 1	5 40.348	-04 34	19.57	1	+0.0054	+0.039	3.230		4.210		4,960		69111 B2111	1	10057	ער
223 224 225		CED 21 2	8 01.326	1+70 20	27.85		+0.0020	+0.013	3.230		3.010 3.190		2.050 3.110		B9111		67663	DV?
224		VR 18 5	7 04.294	+32 37	11.26	1. [-0.0005	+0.002	3.240			1	4.840		KOIV		142241	
225		SCAL IR 1	8 43.265	-02 54	48+20			-0.697 +0.117	3.250 3.250			ī	6.835	-	MOIII		256029	1
			7 59.464	-74 23	33.53	1 1		+0.186	3.254	î		1	6.544		K5III		218755	D.
226	SIG	PUP 07 2	7 38 615	-43 11 -24 57		li	-0.0002	-0.021	3.260	1		1	2.180		B2TV		185320 249647	V
227	42 THE		8 56.157 7 40.725		14.35	1	-0.0101	+0.266	3.265			1	3.61		A5V		233564	D
228	ALP ALP		2 54.798	-55 08	51.77	1 1	+0.0061	+0.001	3.270			1	2.820		AOSI M4III	.	183139	1 "v
229	20 SIG	17R 15 0	1 08.247	-25 n5	12.27		-0.0054	-0.047	3.270		4.980		6.04		KSIII	1	5405A	ח
230 231	31 DEL	AND 00 3	6 38.858	+30 35	15.79		+0.0106	-0.084	3.280		4.560	1	6.55		M3III		78135	עמ
232	7 ETA	G#M 06 1	1 51.508	1+22 31	23.36			-0.013	3.280		3.330		3.41		A3V		165375	
233	76 DEL		1 59.902	-16 05	13.92			-0.022	3.280		4.400	1	5.44		KZIII	1.	182244	
234	49 PI	HYA 14 (0 41.045 0 41.013	-26 26	17.07			-0.027	3.290	1	3.180	1	2.78		AP		150237	
235	5 MU		3 48.741	150 08	26.16			+0.013	3.290	1	4.450	1	5.68		K2III		29520 187683	
236	12 IOT				43.14			-0.249	3.310	1	4.510		5.65	9 1	KIIII		215365	DVZ
237	40 TAU BET	SGR 19 (3 51.357	-46 59	09.77	L	-0.0029	+0.005	3.310		4.210	1	4.77		GBIII A3V		28315	V2
258 239	69 DEL	IIIIA 12	2 57.584	I+57 18	36.94	1		+0.004	3.310		3.390 3.240	1	3.46		B7IV		250885	
240	OME	CAR 10	2 33.047	-69 47	21.35			+0.003	3.320		3.190	i	2.22	nli	BIIII		244726	ם
241	GAM	ARA 17	21 10.732	-56 19	58.85			0.011	3.330		3.740	li	3.83	0 1	FOIVN		227707	
242	ETA	SCO 17	08 34.015					1 -0.285 5 -0.119	3.340		4.330		5.20	0 1	G9III		142004	
243	64 NU		6 16.332		09.10			+0.006	3.350		3.250		2.54		B5VE		251006	V
244	-p		30 14.487		39 468			2 -0.083	3.350		3.330	1	3.41		A2V	1	99512	р
245	70 THE	LEO 11		+15 42			+0.006	7 +0.050	3.350	1	4.260		4.89		GGII		248969 132071	ΒV
246	ALP		13 46.543 21 57.676		29.58			2 +0.001	3.350		3.180			0 1	Bn.5V		174601	l D
247	28 ETA	DIIP 07	47 11.421	1-24 43	59.22	2	-0.000	5 -0.004	3 • 350		4.600				G3IB K1IB		34137	
248	7 XI 21 ZET	CEP 22	09 06.930 26 07.63	+57 57	7 15.50) .	1+0.001	6 +0.008	3.350	11	4.900	11	3 5 5 5 7					DV?

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

IUMBER	STAR DÉSIGNATION	RI. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA DEC PM PM	VISUAL MAG.	N	BLUE B			U N	SPECTRAL CLASS	S N	SAO CAT-NO.	STAR PROP.	1
			+12 57 04.31		-0.0079 -0.19	3.360	1	3.790 1		3.850	1	FSIV		96074	VΞ	١
251	31 XI GEM	06 42 20.900	107 00 00 00	ı	+0.0169 +0.08			3.680 1		3.720		FOIV	١.	124603	√?	1
252	30 DEL AUL	19 22 58.597	+03 00 48 98	1	-0.0018 -0.01	and the second second		3.190 1		2.460	1	B3IV		225712	ח	١
253	EPS LUP	15 19 16.513	-44 30 40 20	١.	-0.0128 -0.05			4.060		4.430		GOIII+NF7	100	117112	ή	١
254	11 EPS HYA	08 44 07.755	+06 36 12-41		+0.0049 -0.01			3.230 1		2,610		B3TV?P	199	12031	٧?	1
255	45 EPS CAS	01 50 46.378	+63 25 29 89	1	-0.0037 +0.00			4.930 1		6.630		K5IB		250905	V	1
256	-Q CAR		-61 04 55 08	1				4.970		6.760		MBIII	•	119674		1
257	43 DEL VIR	12 53 04.986	+03 40 07.60	1	-0.0314 -0.05		1	3.500		3.580		A3VN	1	139420	1	
258	79 ZET VIR	13 32 08.554	-00 20 27-51		-0.0191 +0.03			3.570	î	3.690		ATIII		93957		
259	78 THE- 2 TAU	04 25 48.220	+15 45 41 80	1	+0.0071 -0.02			5.040		6.830		M4II-III		56138	V	
260	25 RHO PER	03 01 57.795	+38 38 52.85		+0.0111 -0.10			3.200		2.170		08+0F5		112921	n,	
261	39 LAM ORI	05 32 22.913	+09 54 08.35	N.	-0.0001 -0.00			4.600		5.600		CG2	1	2506B3	٧	
262	-L CAR	09 43 52.354	-62 16 36.42	1	-0.0023 +0.00			3.310		3.070		BBV		108103	ח	
263	42 ZET PEG	22 38 57.996	+10 34 11.39	1	+0.0054 -0.00			3.190		2.340		B2IV		224469	٧?	
264	NU CEN	13 46 29.738	-41 26 21.60		-0.0021 -0.02			3.290	•	2.660		B3V		93719	V	
265	35 LAM TAU	U3 57 54.378	+12 21 02-13	1	-0.0005 -0.00			4.980	i	6.820	1	KSII	1	215516	٧?	
266	GAM PHE	01 26 11.776	-43 34 25.93		-0.0015 -0.20			4.330		4.990		GBIII		242304	ח	
267	ZET LUP	15 08 40.758	-51 54 37.80	1	-0.0116 -0.07					2.350		B2V	i	207208	ם ו	
266	ETA- 1 LUP	15 56 48.024	-38 15 19.98	1	-0.0019 -0.03			3.190		3,695		ASIV	1	254862		
269	BET PAV	20 40 28.662	 - 66 23 05•42		-0.0061 +0.01			3.580				B PE		67451	עם	
270	10 BET- 1 LYR	18 48 13.935	+33 <u>18 12•51</u>	1	+0.0000 -0.00			3.420		2.850		GSIV		85397	D	
271	86 MU HER	17 44 29.998	+27 44 55 40	1	-0.0233 -0.74			4.170		4.560	1		1.	74996	"	
272	2 ALP TRI	01 50 13.440	+29 20 10 14	1	+0.0008 -0.22			3.900		3,960		F6IV		172797	עס	
273	22 SIG CMA	06 59 43.581	-27 51 43.32	1	-0.0006 +0.00			5.150		7.020		MOIAB		143021	"	
274	16 LAM AGL	19 03 35.688	-04 57 32.74		-0.0014 -0.08	3 - 430		3.340	1	3.070		B9?V?N	1	19019	l b.	
275	3 ETA CEP	20 44 16.488	+61 38 38 85	: [:	+0.0128 +0.82			4.350		4.960		KOIV	1	21732	lő	
276	24 ETA CAS	nn 46 03 645	+57 33 03.15	1	+0.1368 -0.52			4.020		4.040		GOV	ł	236693	V?	
277	-A CAR	00 09 39.029	-58 45 41.72		-0.0034 +0.00	5 3.446	1	3.250		2.560		B2IV	1	81265	1 **	
278	36 ZET LEO	10 13 54.758	+23 40 01.93		+0.0013 -0.01		1	3.750		3.940		FOIII		43268		
	33 LAM UMA	10 14 05.353	+43 09 53 53	١.	-0.0151 -0.04	3 3 45	1	3.480	-	3.540	1	AZIV				
279		05 06 04 420	-10 26 48.57		+0.0145 -0.13	3 3.45	0 1	4.610	1	5.800		KSIII		147632	I .,	
280		06 33 11 331	-62 31 20 -19	, l	+0.0002 +0.00		0 1	4.100	1	4.520		F8IA		249311	V	
581		07 56 30 426	-52 50 50 75	.	-0.0037 +0.02		0 1	3.290	1	2.640		B2IV	1 .	235635	1 .	
282	CHI CAR	07 33 30.720	+03 01 34.05		-0.0097 -0.14		0 1	3.560	1	3.630	1	A2V		110707	י מ	
283	86 GAM CET	10 56 31 036	+19 21 18 47	,	+0.0046 +0.02		0 1	5.040	1	6.970	1	KSIII	1	105500	1	
284	12 GAM SGE	12 46 32 70	-51 34 49.24	ı	+0.0117 -0.06		0 1	3.560	1	3.640		A2V	1	247593	V?	
285	EPS GRU	22 73 32 10	+24 20 13.72		+0.0108 -0.03				1	5.100	1	GBIII	1	90816	1 _	
286	48 MU PEG	10 17 13 00	+20 05 39.68	3	+0.0222 -0.17			4.633	1	5.633		G7III	1	81299	l D	
287	41 GAM- 2 LEO	10 11 12:40	+33 22 02.56	5	-0.0022 +0.02				1	6.440		KSIII	1	62486	D	
288	54 NU UMA	11 13 70 74	7 +33 30 01.20	٦١	+0.0066 -0.11		0 1					GBIII	1	64599	DA5	
289	49 DEL B00		+40 35 12.8	1	-0.0040 -0.03				1			GBIII	+	45337		
290	42 BET B00		+39 00 58.79	اد	+0.0028 -0.08				1	5.030	1	G7111-1V	1	65504	1	
291	44 ETA HER		16 12 00 5	1	-0.1194 +0.85	1			1			GBVP		147986		
292	52 TAU CET		-21 10 26.8	7	+0.0023 -0.01				1	5.820		KIIII		187504		
293	37 XI - 2 SGR		+ -45 59 53.1		-0.0024 -0.04				1	2,690		B3III		229023		
294	ALP TEL	18 23 13.97	+ -15 22 07·8	1	-0.0031 -0.06				1			FOIV		160700	D	
295	55 XI SCA		1 1 2 2 0/00	1	-0.0097 -0.04							A2+F6II		98709	D	
296	14 OMI LEO		3 +10 07 14 6	,	-0.0001 -0.00	4 -						AOIB	1	98955	1	
297	30 ETA LEO	10 04 30.53	3 +17 00 26 1	١.	-0.0060 -0.0							AOV	1	140787	1	
298	32 MU 5CP		5 -03 16 42.9	3	-0.0030 -0.03							K4III		116569	יי	
299	17 BET CNC	08 13 48.28	2 +09 20 27.7	. I	-0.0018 -0.0						1.	FOIV	1	79294	l D	

TABLE 5 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RI. ASCEN. HP MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V Z	BLUE B	JV MAG.	U	SPECTR; L CLASS	C 11	SAO	STAR PROP.	
301	32 IUT CEP	22 47 53.604	+65 56 13.80	-0.0109	-0.119	3.530	1	4.580 1	5.480	1	KIIII		20248		Τ
302	23 DEL ERI	03 40 51.035	-09 55 53.05	-0.0067	+0.746	3.540	1	4.460 1	5.130	1	KOIV	1	130696		
303	74 EPS TAU		+19 04 16 36	+0.0076	-0.036	3.540	1	4.550 1	5.420	1	KOIII	1	93954	1. 1. 1.	1
304	PHI VEL	09 55 06.249		-0.0014		3.540		3.460 1	2.830		8511		237522	n	
305	AYH IX	11 30 32.264		-0.0162		3.540		4.470 1	5.170		G7III	1	202558	η.	
30p	IOT LUP		-45 49 41.82	-0.0013		3.550		3.370 1	2.650		BSIV		224833	1/2	1
307	8 IOT CET	00 16 52.784		-0.0013		3.550		4.770 1	5.940		KZTII		128624		1
306	14 ZET LEP	u5 44 41.296		-0.0016			2	3.65 2	3.71	2	A3V	1 .	150801		-
309	26 THE PEG	22 07 40 600		+0.0184		3.550		3.620 1	3.720		AZV		127340	1/2	
310	THE- 2 ENT	02 56 22.578		-0.0062		3.554		3.674 1	3.794		A2		216114	DV?	
311	41 UPS- 4 ERI	04 16 00.036		+0.0049		3.560		3.440 1	3.070		B8.5V	1	194902	2	ı
312	DEL PAV		-66 18 43.41	+0.1988		3.560		4.320 1	4.780		GSV		254733	V?	1
313	12 DEL CHT		-14 30 27.65	-0.0088		3.560		4.670 1	5.660		GRIII-IV		156605	''	
314	PHI- 1 LUP	15 18 37.512		-0.0075		3.560		5.100 1	6.970		KSIII		206552	n	
315	PHI ERI	02 14 43.421		+0.0102		3.565		3.445 1	3.055		BBV		232696	יח	
316	51 AND	01 34 54 636		+0.0066		3.570		4.850 1	6.290		KSIII		37375		
317	77 KAP GEM	07 41 25.857		-0.0022		3.570		4.490 1	5.190		GRIII		79653	n	1
316	39 UPS L18	15 33 58.965		-0.0006		3.570		4.960 1	6.550		KSIII	1	183619	n	1
319	MU - 2 SCO	16 48 56 599		-0.0009		3.570		3.360 1	2.520		B2IV	1	208116	ŋ	1
320	27 DEL CEP		+58 09 31.76	+0.0015		3.570		4.030 1	4.380		F5IR	1	34508	nv	1
321	6 ALP- 2 CAP	20 15 16.878		+0.0042		3.580		4.530 1	5.220		G9III	1	163427	2	
322	44 CHI DRA	18 21 57.480		+0.1169		3.580		4.070 1	4.010		F7V		9087	n i	1
323	54 LAM GEM	07 15 13.198		-0.0034		3.580		3.700 1	3.790		A3V		96746	21/2	
324	20 TAU ORI	05 15 10 601		-0.0014		3.590		3.470 1	3.010		85111		131952	n	1
325	45 THE CET	01 21 31.363		-0.0056		3.590		4.650 1	5.570		KOIII	1	129274	n	Ł
326	ZET- 2 SCO	16 51 03.544		-0.0113		3.590		4.950 1	6.560		KSIII	1	227412		1
327	25 RHO B00		+30 35 24.14	-0.0079		3.590		4.890 1	6.330		K3111		64202	ם	1
320	EPS CRU	12 18 38.819		-0.0235		3.590		5.010 1	6.630		GK3	1 4	251862	V?	
329	5 BET VIR		+02 02 47.61	+0.0494		3.600		4.150 1	4.260		FBV		119076	١ ٠٠	1
330	PSI VFL		-40 14 49 28 C	-0.0165		3.600		3.960 1	3.890		F2IV	1 .	221234	DV2	1
331	12 KAP UJA	09 00 13.266		-0.0033		3.600		3.600 1	3.700		An		42661	ם	İ
332	55 ETA AOL	19 49 55.525		+0.0005		3.600		4.270 1	4.800		FETE		125159	v	1
333	1 OMI TAU	03 22 07.121		-0.0046		3.600		4.490 1	5.110		GBIII		111172	V?	1
334	13 GAM LEP	05 42 22.653		-0.0212		3.600		4.070 1	4.080		F6V	1.5	170759	י די	
335	34 THE GEM	06 49 29.672		-0.0001	-0.051	3.600		3.700 1	3.840		ASILI	1	59570	ó	1
336	OMI VEL	DB 38 51.636		-0.0022		3.600		3.420 1	2.800		BSIII		236164	v	1
337	-C PUP	07 43 28.327		-0.0012		3.610		5.340 1	7.040		ck		198398	١ ,	1
338	DEL ARA	17 26 34 733		-0.0065	-0.094	3.610		3.510 1	3.190		Bav		253945	ם כ	
339	41 LAM HYA	10 00 00 00	-12 06 22.55			3.610		4.610 1	5.530	1	KOIII	1	155785	'n	
340	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			+0.0560		3.620		4.800 1	5.060		K2III		257000	, ,	1
	DEL MUS							4.800 1	5.960		KIIII	1	254020		1
341	ETA PAV	17 40 49 242	-64 42 09.86 +23 54 07.66	+0.0005		3.620		3.530 1	3.170		BBIII		76228	DV3	1
342	27 TAU							4.590 1	5.330		GRIII	1	92484	0/2	
343	99 ETA PSC		+15 05 19.39	+0.0019		3.620		3.530 1	3.000		B6P		52609	l v	
344	1 OMI AND	22 59 36.873		+0.0019									106316	ا م	1
345	ь BET DEL	20 35 12.206		+0.0077		3.630		4.070 1	4,150		F5IV		75596	DV?	ł
346	41 -C- 1 ARI	02 47 02.036		+0.0050		3.630		3.530 1	3.150		BBV			DVF	1
347	88 -C- 2 AGR	23 06 46.980		+0.0038		3.640		4.870 1	6.090		KOIII	1	191683		1
346	LAM MUS		-66 27 05.06	-0.0161		3.640		3.800 1	3.950		A7II-III		251575	ייי	
349	11 ALP DRA		+64 36 51.57	-0.0090		3.650		3.600 1	3.520		Aniii		16273	Λ.5	1
350	BET IND	20 50 55.080	-58 38 40 - 20	+0.0031	-0.022	3.650	1	4.900 1	6.120	11	KOIII		246784	1	1

TABLE 5 CONTITUED

STAR ASSIGNATIONS AND STAR DATA ORDERED BY VISHAL MAGNITUDE

NUMBER	STAR		DECLINATION		DEC	VISUAL V		BLIJE	p	uv U	SPECTRAL	5	SAO	STIB	6	1
NUMBER	STAR	ACCIN	l l	- DA	l of	LVISILALEV		HI LIC. I								
NUMBER	STAR		INFO TNALIUN I	P RA	טבנ	1 1	' I			MAG. N	CLASS	N ¹	C.T.NO.	PROP.	1/4	1
NUMBER		RT. ASCEN.	DEG MN SEC	N PM	PM	MAG.	N	MAG.	N	1440	1					1
	DESIGNATION	HR MN SEC	DEG MIN 3EC	`	 		. 1		1, 1	5.450 1	KOTII		93848	N?	ı	
			+15 30 30.62	+0.008	0 -0.024	3.650		4.640			F71	1 .	79031	''		
351	54 GAM TAU	04 16 20 021	713 30 30 05	-0-000	6 -0.003	3.650	1]	4.340		4.820 1	B2.5V	1.	193649			Į
352	43 ZET GEM	U7 01 U8.627	+20 38 43.45	-0.001	1 -0.033	3.650	1	3.470		2.780 1	1	1	21566	V?	١.	
353	40 TAU LIB	15 35 34.733	-29 36 53.56	10 002	1 -0.005	3.660	1	3.470	11	2.580 1	B2V	1	245242		1	1
	17 ZET CAS	I nc 34 10.333	1+53 3/ 19+441	10.002	1 -0.017		1	3.580	11	2.715 1	Bn.5II	1	101725	י פי פי	1	1
354	THE ARA	1 10 02 44.229	[-50 D5 49•53]	-0.001	1 0 000		1	3.730	11	3.810 1	AZIV				1	
355		15 43 52 670	1+15 34 37•421	+0.004	7 -0.049	3.670		3.990		4.200 1	AM	1	164550	DA5		
356		40 770	-16 53 21 05	+0.013	1 -0.022	3.670	•	4.000		4.100 1	FOIV		14908		1	1
357	40 GAM CAP	21 37 19.372	+63 16 55 10	+0.016	1 +0.026	3.670		3.970		4.080 1		. 1	83831	V	1	1
35გ	23 -H UVA		+29 16 37.26	-0.013	7 +0.083	3.680				2.710 1		1	112142	۸5	1	1
359	3 BET CRB	15 25 45.944	+05 31 16.34	-0.000	3 +0.001	3.680		3.520		2.640 1			199546		1	- 1
360	3 PI - 4 ORI	04 48 32 421	77 00 10.64	-0.001	4 +0.009	3.690	1	3.510				1	232573	l b	1	ı
361	ALP PYX	UB 41 34.885	-33 00 18.64	+0.073	3 +0.299	3.690	1	4.540		5.000	1		1280A5			1.
	CHI ERI	01 54 00.82	-51 51 25 • 74	10.075	7 +0.022	3.690	1	4.600	1	5.170	G7III	ŀ	50424	V2		-
362	6 GAM PSC	1 22 14 34 331	1+03 00 31.65	70.030	5 +0.004	3.700		5.350	1 1	7.150	K5IB	ŀ	76131	1	1	
363		1 21 03 06.589	31+43 43 39+32	+0.000	10 004			3.580		3.180	Beili		168460	ער	1	
364		03 41 54 05	5 1+23 57 27.82	+0.00	14 -0.042			5.320		7.130		1		'°	1	ļ
365		03 17 17.47	[-21 56 19 62	+0.00	34 +0.036			3.860		3.950	. A M	- 1	121218	1 1/2		- 1
366		10.00	3 +04 37 36.85	+0.008	34 +0.061			4.640	nli	5.340		- 1	85590	V?		- 1
367	37 EPS SCP	1 1.0 01	+29 15 07.34	+0.000	54 -0.017	3.700						1	148059	۸5	ı	- 1
პრც	92 X1 HER	1	7 -10 34 52.90	+0.00	24 -0.036	3.720		4.80				1 .	25502			- [
369	55 ZET CET		8 +54 17 00.14	+0.00	95 -0.126	3.720			11				150957		1	1
37ú	33 DEL AUF	05 55 24.51	10 10 31 67		34 +0 • 136	3.720	1	4.05		4.050	- 1 '	. [125235	DV?		
571	16 ETA LEF	05 54 07.55	4 -14 10 31.67		29 -0 - 479	3.720	1	4.58	011	5.070		- 1	43886	/ V.5	1	- 1
372	60 BET AGL	19 52 51.38	3 +06 16 49 84		38 +0.024	3.720	1	4.90	0 1	6.060	VOTIA		120648	1	1	
375	63 CHI UMA	1 1 43 25.03	0 +48 03 24.16		76 -0.031	3.730	1	3.72		3.690		4 -	71121	۷و	i	
374	109 VIF	14 43 43.08	3 +02 06 08 97		34 +0.437	3.730	1	4.13	0 1	4.160			112107	١v	1	- 1
375	65 TAU CYC	1 01 12 47.55	9 +37 49 52.27		03 +0.000	3.730	1	3.54	0 1	2.720		- 1	219082			-
	8 PI - 5 OR	nu 51 38.66	1 +02 21 37 . 24	1 1 2	14 +0.000				0 1	5.530	1 GSIII		130564		١.	- 1
376	-A Puf	07 50 29.82	71-40 26 45.27	-0.00	60 10 000				0 1	5.190	1 K2V				- 1	
377		r nz 30 34 35	5 -09 3/ 34 / 5		62 +0.019					3.940	1 A4V	ĺ	123142		- 1	
57ช		10 04 58.65	6 +09 33 18•94	-0.00	42 +0.08						1 G5P	1	190341		- 1	
379		o o a un 97	A 1-22 37 44.05	F + 0•00	01 +0.02			_			1 K2II		30631			
380	34 ZET CA	70 70	0 +56 52 47.68	41: F+U•UJ	06 +0 -07	3.750						- 1	122754			
381	32 XI DR	17 02 33 01	9 +02 43 28 -28		16 -0.07	3.750				11			111195			٠.
382	62 GAM OP		9 +09 33 35.1	/ 1 TU • U ·	39 -0.03	5 3.750		- 1				- 1	39966			
363	2 XI TA		30 +41 00 17.7	alı l +0.00	008 -0-02	2 3•750						Į.	220803	3	1	
384	A ZET AU		146 53 52-5	1 -0.00	050 -0-01	5 3 3 750				6.100			257948	3 D.	- [
38 5	VE +C VE		1 -46 53 52.5		176 -0.23	9 3.755	5 1	1 4.75					90238	3	.]	
386	NU OC	T 21 35 59.8	55 -77 36 50 2		220 +0.02	8 3.760	0] 1	1 4.20			I POTTT	l	93897		'. I	
387	24 IOT PE	cl 32 04 40.8	6 +25 06 00.7		75 -0.02			1 4.75		5.570	1 KOTII	1	31537			
	61 DEL TA	11 04 20 02 R	44 1+17 25 36.0	1 1 40.00	061 +0.12			1 4.7	30 1	5.470	1 KOIII	1	24416			
388	1 KAP CY	c 10 15 56.7	86 1+53 16 31•6	/ TU•0	053 -0.03			1 5.3	30 1	7.250	1 KSIII	- 1	10210	-	,	
389	ETA AF	A . C UL 27.4	ns I-58, 57, 16•3	/ +U+U	053 -0.03		οl		30	1 4.220	1 Walli		18764		- 1	
390		0 16 10 42-7	37 + 19 16 09 • 3	2 -0•0	033 +0.04				701	1 5.630	1 GGB		3907		,	
391		0 10 01 41-2	451-21 40 59•3	2 1000	057 -0.06				90 l	1 4.510	1 F511	l		-		
392		0 03 41 47.2	81 1+42 25 20•0	11 1 -0.0	012 +0.00	7 1 2 2 2		T		1 6.030	1 K2III	1	25022	. 1	1	
393		1 00 24 11.9	55 -65 58 11•U	0 -0.0	052 -0.16			- 1			1 A1V	- 1	14481		.	
394			18 -09 40 48.2		022 -0.03			T _ ' _					1,635			
395			74 +15 44 04.3	0 +0.0	045 -0.00	0 3.77	۲I					1.	1454		. 1.	
396	9 ALP D		58 +50 01 29 9	6 +0.0	140 +0 -02	3 3.77							25637			16
397	7 ALP L		04 1-70 05 04-7	5 +0.0	052 +0 -10	2 3.77					17 1	rν	23857		?	
398		OL 07 09 10.8	04 -70 25 04.7		088 +0 • 02	7 3.78			30	1 5.380	1 AZIII+	1154	10114		- 1	
399		AR 10 51 27.3	97 -58 35 14.2		036 -0.0	0 3.78	10	1 3.8	30	1 3.880	ACTIVE					
		00 14 38 45.5	40 +13 56 30.4	10 1 1000		- I	_1				<u> </u>					

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

416 417 28 0ME CMA 07 12 46.891 -26 41 05.01 416 436 57 417 418 63 EPS DRA 19 48 21.063 +70 08 26.54 419 16 LAM AND 23 35 06.520 +46 11 13.82 420 -6 VeL 08 38 57.963 -46 28 12.11 421 77 THE-1 TAU 04 25 42.882 +15 51 10.15 422 38 0MI Per 03 41 10.598 +32 07 53.47 423 424 46 0MI LMI 10 50 31.231 +34 29 05.62 424 46 0MI LMI 10 50 31.231 +34 29 05.62 425 426 ALP SCT 18 32 29.108 -08 16 50.47 426 427 7 DEL SGE 19 45 09.429 +18 24 34.68 429 420 -P VeL 10 35 11.696 -47 57 55.69 429 430 429 -P VeL 10 35 11.696 -47 57 55.69 430 5650 431 09 57 57 50 432 38.80 1 3.640 1 2.900 40.009 +0.004 3.820 1 4.710 1 5.230 40.0154 +0.0039 -0.0416 3.820 1 4.780 1 5.540 40.0004 +0.002 3.830 1 4.530 1 4.810 40.0006 -0.009 3.830 1 3.880 1 3.130 40.0006 -0.009 3.830 1 3.880 1 3.130 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.620 1 2.790 40.0006 -0.0025 -0.025 3.830 1 3.640 1 3.740 40.0006 -0.0025 -0.025 3.830 1 3.620 1 4.780 1 3.740 40.0006 -0.0025 -0.025 3.830 1 3.620 1 4.780 1 3.740 40.0006 -0.0025 -0.025 3.830 1 3.620 1 4.780 1 3.740 40.0006 -0.0025 -0.025 3.830 1 3.620 1 4.780 1 3.740 40.0006 -0.0025 -0.025 3.830 1 3.620 1 4.780 1 3.740 40.0006 -0.0025 -0.025 3.830 1 3.620 1 4.780 1 3.740 40.0006 -0.0025 -0.025 3.830 1 3.620 1 4.780 1 3.740 40.0006 -0.0025 -0.025 3.830 1 3.620 1 4.780 1 3.740 40.0006 -0.0025 -0.025 3.830 1 3.620 1 4.780 1	1 K4111 1 K0111 1 K31B 1 M2111 1 A59 1 B3V 1 CK1P 1 09.5V 1 K0111 1 F21V 1 A3V 1 F0111 1 K5111 1 K0111 2 A M-AP 1 B31VF 1 G8111-IV		62484 155980 79374 23655 146362 31702 46872 49337 132406 38609 27401 61391 238085 257103 195148	A3 DA DA5 DA DA NA5 U	
402	1 KOTII 1 K3IB 1 M2III 1 A5V 1 B3V 1 CK1P 1 09.5V 1 K0III 1 F2IV 1 A3V 1 F0III 1 K5III 1 K0III 2 A M-AP 1 B3IVF 1 GBIII-IV		79374 23655 146362 31772 49337 132406 38609 27401 61391 238085 257103	DA DAS DA DA DA	
403 66 IOT 6EM 07 22 37.375 +27 53 57.17	1 K3IB 1 M2III 1 A5V 1 CK1P 1 09.5V 1 K0III 1 F2IV 1 A3V 1 F0III 1 K5III 1 K0III 2 A M-AP 1 B3IVF 1 G8III-IV		23655 146362 31702 46872 49337 132406 38609 27401 61391 238085 257103	DA DAS DA DA DA	
# 404	1 M2III 1 A5V 1 B3V 1 CK1P 1 09.5V 1 K0III 1 F2IV 1 A3V 1 F0III 1 K5III 1 K0III 2 A M-AP 1 B3IVF 1 G8III-IV		146362 31712 46872 49337 132416 38609 27401 61391 238085 257103	DA DAS DA DA DA	
405	1		31792 46872 49337 132496 38609 27401 61391 238085 257193	ט א ט א ט א ט א ט א	
406 10 10T CYG 19 28 26.674 +51 37 20.98	1 B3V 1 CK1P 1 O9.5V 1 KOIIT 1 F2IV 1 A3V 1 F0III 1 K5III 1 KOIII 2 A M-AP 1 B3IVF 1 GBIII-IV		46872 49337 132406 38609 27401 61391 238085 257103	υΛ υΛ3 υ	
407 85 107 HER 17 38 03.064 +46 01 55.27	1 CK1P 1 09.5V 1 K0111 1 F21V 1 A3V 1 F0111 1 K5111 1 K0111 2 A M-AP 1 B31VF 1 G8111-IV		49337 132406 38609 27401 61391 238085 257193	υΛ υΛ3 υ	
408	1 09.5V 1 K0111 1 F21V 1 A3V 1 F0111 1 K5111 1 K0111 2 A M-AP 1 B31VF 1 G8111 1 G8111-IV		132496 38609 27401 61391 238085 257193	υΛ υΛ: υΛ:	
409	1 KOIIT 1 F2IV 1 A3V 1 FOIII 1 K5III 1 KOIII 2 A M-AP 1 B3IVF 1 GBIII-IV		38609 27401 61391 238085 257193	υ\ υ\ υ\s	
410 27 KAP PER 03 00 06.756 +44 40 10.21 +0.0167 -0.153 3.810 1 4.790 1 5.520 1 411 29 UPS UMA 09 47 27.102 +59 16 30.31 -0.0382 -0.156 3.810 1 4.100 1 4.190	1 F2IV 1 A3V 1 F0III 1 K5III 1 K0III 2 A M-AP 1 B3IVF 1 GBIII-IV		27401 61391 238085 257193	טמ ר	
411 29 UPS UMA 09 47 27.102 +59 16 30.31	1 A3V 1 F01II 1 K5III 1 K0III 2 A M-AP 1 B3IVF 1 GBIII-IV		61391 238085 257193	ר	
#12	1 FOITI 1 K5III 1 K0III 2 A M-AP 1 B3IVF 1 GBIII 1 GBIII-IV		238085 257193		
413	1 K5III 1 K0III 2 A M-AP 1 B3IVF 1 GBIII 1 GBIII-IV		257103	\ \ \frac{\partial P}{2}	
414	1 KOIII 2 A M-AP 1 B3IVF 1 G8III 1 G8III-IV			1 .	1 1
415	2 A M-AP 1 B3IVF 1 G8III 1 G8III-IV			1	1 1
416	1 B3IVF 1 G8III 1 G8III-IV		110201	UV3	1 [
417 28 0ME CMA 07 12 46.891 -26 41 05.01	1 GBIII 1 GBIII-IV	1		V	
416	1 GRIII-IV		173282 9540	DV2	
419	1		532n4	V	1 1
420				n"	
421 77 THE- 1 TAU 04 25 42.882 +15 51 10.15 +0.0071 -0.026 3.830 1 4.780 1 5.500 1 42. 38 0MI PcR 03 41 10.598 +32 07 53.47 L +0.0006 +0.009 3.830 1 3.88 1 3.130 1 4.780 1 5.790 1 424 46 0MI LMI 10 50 31.231 +34 29 05.62 425 425 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			220265	''	1 1
422 38 0M1 PcR 03 41 10.598 +32 07 53.47 L +0.0006 -0.009 3.830 1 3.830 1 2.790 424 45 PHI CcN 13 55 13.278 -41 51 26.57 -0.0025 -0.025 3.830 1 3.620 1 2.790 424 46 0MI LMI 10 50 31.231 +34 29 05.62 425 425 103 0MI HeR 18 05 35.418 +28 45 15.79 -0.0001 +0.010 3.830 1 3.810 1 3.740 425 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.512 3.830 1 5.170 1 6.700	1 KOTII	. 1	56673	ער	-
423 PHI CEN 13 55 13.278 -41 51 26.57 -0.0023 -0.025 3.830 1 3.620 1 2.790 424 46 0MI LMI 10 50 31.231 +34 29 05.62 +0.0069 -0.283 3.830 1 4.870 1 5.790 425 103 0MI HER 18 05 35.418 +28 45 15.79 -0.0001 +0.010 3.830 1 3.810 1 3.740 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -0.001 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -0.001 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -0.001 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -0.001 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -0.001 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -0.001 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 32 29.108 -0.001 -0.0013 -0.312 3.830 1 5.170 1 6.700 426 ALP SCT 18 4.000 426 ALP SCT 18			224577	Vo	1 1
424 46 0MI LMI 10 50 31.231 +34 29 05.62 +0.0069 -0.283 3.830 1 4.870 1 5.790 +25 103 0MI HER 18 05 35.418 +28 45 15.79 -0.0001 +0.010 3.830 1 3.810 1 3.740 +25 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 +25 103 103 103 103 103 103 103 103 103 103			62297	1	1 1
425 103 ONI HER 18 05 35.418 +28 45 15.79 -0.0001 +0.010 3.830 1 3.840 1 3.740 426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.170 1 6.700 6.70	1 KOIII-IV 1 B9V	1	A5750	ν.	1 1
426 ALP SCT 18 32 29.108 -08 16 50.47 -0.0013 -0.312 3.830 1 5.10 1 5.20			142408	V?	1 1
		.	105259	V?	1 1
426 10 LAM			121658	D	1 1
429 109 HER 18 21 33.942 +21 44 44.35 +0.0139 -0.0244 3.840 1 3.020 1 3.840 1 4.140 1 4.210 4.30 4.30 4.30 4.30 4.30 4.30 4.30 4.3			A6003	V?	
430 -P VEL 10 35 11.696 -47 57 55.69 -0.0120 3.840 1 3.740 1 3.290 431 -C CAR UB 53 54.921 -60 27 11.05 -0.0032 +0.0037 3.840 1 3.780 1 3.650			222199	D	
431 -C CAR UB 53 54.921 -60 27 11.05 -0.0032 +0.037 3.8401 3.780 1 3.650		- 1.	250374	0	1 - 1
6.1		- 1	146044	DV2	
432 48 GAM AGR 22 19 04.420 -01 38 23.77 +0.0086 +0.012 3.840 1 3.780 1 3.650 -0.0134 +0.038 3.850 1 3.900 1 3.980			221895		
433 -0 Vel 10 12 37.998 -41 52 25.23 -0.0134 +0.038 3.850 1 3.900 1 3.980 4.000 4.			118355	V?	1 1
434 47 RHO LEO 10 30 10.762 +09 33 52.22 -0.0006 -0.006 3.850 1 3.710 1 2.760	4 1 2 2		15532	V?	1 1
435 1 LAM DRA 11 28 27.546 +69 36 26.09 -0.0074 -0.020 3.850 1 5.470 1 7.440			28738	יאט.	159
43b 79 ZET- 2 U3A 13 21 55.808 +55 10 56.63 +0.0134 -0.033 3.850 1 3.870 1 3.900 +0.0002 +0.0001 3.850 1 4.070 1 3.600	1 1		186497	עם	1 1
437 13 MU SGR 18 10 46.324 -21 04 25.46	1 - 1 - 1		253474	l D	1
		1	83958	DV	
439 8 6AM CRB 15 40 30-404 720 27 10 01/95 10 078 3.8501 4.985 1 6-095			248877		1 1
770 1 3.850 1 4.360 1 4.410	1 FBIV	.	168373	DV?	
741	1 GBIII		170926		1
442 15 050 105 49 105 175 175 175 175 175 175 175 175 175 17	1 GG4		196735		1
443	1 A3V	1	234134		
444 85 10 40 50 50 50 50 50 50 5	1 KITII		216710		
445 1 ALP HON 14 12 20 591 1 22 25 10 42 1 3 660 1 3 660 1 2 840	1 B2V		183957	D	
446 5 RRO SCO 15 33 47 340 1 4 340 1 4 340 1 4 340 1 4 340 1	1 F61V-V	1	101826		1
447 41 GAM SEP 15 34 00 433 17 10 0103 10 009 3.860 3.710 1 3.100	1 B5V		256955		1
448 GAM MUS 12 29 27-173 FT 32 940			223560		
1449 1AU CEN 12 34 37 470 174 37 37 41			224585		
450 UPS- 1 CEN 13 55 34.794 -44 33 37.41 -0.0024 -0.024 3.870 1 3.670 1 2.870				1	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

kii ta O tan	STAR DESIGNATION		DECLINATION P	RA PM	DEC PM	,	V V		B N	.,	N	SPECTRAL CLASS	5	SAA CAT.NO.	STAP PROP.	10
NUMBER		17 54 32.183	.27 .5 21 .8	+0.0001	+0.006	3.870	1	5.220	1	6.680	1	KITT		66485	רע	
451	91 THE HER	17 54 32.183 03 42 50.756	+37 13 21.00	+0.0015		3.870		3.800	1	3.400		7111		76155	17	1
452	2C TAU	02 53 58.952	-09 05 45.89	+0.0050		3 • 870		4.990		5.970		K1TII		130107 54281	n	1
453	3 ETA ERI	02 53 58.160	138 13 42.99	+0.0129		3.870	1	3.490		4.140		A5V		140781	٦	1
454	37 MU AND	00 33 30.100	-14 24 01.60	-0.0055	-0.161	3.870	1	4.960		5.990		KSIII		195924	'	1
455	53 -L ERT	04 35 53.315 05 29 26.164	-35 30 22.02	1+0.0020	-0.036	3.870	1	5.010		6.070		GK1		225525	ח	9
456	EPS COL	U5 29 26 164	-48 32 57.11	-0.0097	-0.049	3.874	5	3.844		3.724		BoA		257407	''	1
457	KAP- 1 LUP	15 08 26.767 16 25 42.782	-78 47 20.30	-0.0404	+0.069	3.880	1	4.790		5.410		KOIV		214983		
456	GAM APS	00 06 52.775	-46 D1 23.71	+0.0124	-0.177	3.880		4.910		5.750	1	KOIII		204545	l n	1
459	EPS PHE	13 28 08.129	-39 n8 59•17	-0.0012	-0-019	3.880		5.040		6.080		GRIII		140090	'	1
460	-D CEN	14 40 25.283	-05 26 30.92	+0.0070	-0.321	3.880		4.260		4.250		F3IV		B1064		
461	107 MU VIR	09 49 55.434	+26 14 36 08	-0.0160	-0.060	3.880	1	5.100		6.500		KZIII		117527	DV3	1
462	24 MU LEO	09 11 45.818	+02 31 34.63	+0.0086	-0.313	3.880		3.810		3,690		B9.5VP		238986	n	1
463	22 THE HYA	11 18 43.151	-54 13 00 27	-0.0035	-0.006	3.890		3.735		3.145		B5VN		7593	V2	1
464	PI CEN 5 KAP DRA	12 31 21.550	+70 03 48.95		+0.009	3.890		3.750		3.180		B7P	44.5	119633		
465		12 49 04.062	+03 19 41.53		+0.016		2		2	3.18	2	GK4 B5IV+B5IV		225426	D	1
466		15 01 42.170	-46 51 24 82		-0.021	3.89	2	3.75		3.17	2	BSIV	ļ '	46028	DV?	1
467	PI LUP 22 TAU HER	16 18 14.106	+46 25 53 60		+0.037	3.900	1	3.750	1	3.180	1,			254413	V	Ì
466		18 51 48.301	-67 17 57.08	+0.0000	+0.013	3.90		4.500	١.	- 500	١.	F5P A2V	1	138721	٧?	
469	KAP PAV 15 ETA VIR	12 17 20.761	-00 23 20.65	-0.0043	-0.022	3.900		3.920		3.990		AOV		135896		1
47 ₀		08 23 09.718	-03 44 31.46		-0.027	3.900		3.880		3.850 5.780	1:	KOIII		231468		1
47 <u>1</u> 472	IOT GRU	23 07 32.182	1-45 31 04 35		-0.021	3.900		4.920		4.720	1;	F8+A3		126662	*	1
475	8 ALP EQU	1 21 13 19.440	+05 02 24 35	+0.0038	-0.084	3.900		4.420				AOTII		220422		-
474	-A VEL	na 44 19.888	-45 51 28·35		-0.002	3.910		3.910		3.860	1,	AIV	1	111579	1	1
475	38 NU TAU	114 00 29.584	1+05 51 07.47		-0.000	3.910		3.940		2.950	17	BZV		223454	1	-1
476	SIG CEN	12 25 19.525	[-49 57 14·18]		-0.022	3.910		5.150		6.090		GOIA-0	1	238813		
477	-X CAR	11 06 26.766	-58 42 13 82		-0.002	3.910	1:	5.230		6.680		KSIII	1	137035	V?	ĺ
478	35 TOT HYA	ng 37 18.152	-00 54 53.79	+0.003	-0.069	3.910	1:	4.930		5.670		GBIII-IV		159370	D	1
479	38 GAM LIB	15 32 43.474	-14 37 27 13	+0+004	+0.003	3.910 3.920		3.910		3.800		AOV		65716		-
480	58 EPS HER	1 16 58 22.471	1+30 59 55 92		+0.028			3.710		2.830		BZIII	١	131346	V	1
481	48 NU ERI	n4 33 49.094	-03 27 11.62		1 -0.003	3.920	2	5.63	lã	7.63	12	KSIAB	1	172542	- V	
482	16 OM1- 1 CMA	n6 52 U3.362	-24 07 12.87	-0.000	9 +0.011	3.92 3.920			1	5.960	1 -	KIIV		151702	- [
483	7 NU - 2 CMA	l ne 34 30.105	-19 12 43.33	+0.004	0 -0.077	3.930		4.950		5.830		KOIIT		134986		- 1
484	26 ALP MON	07 38 51.466	-09 25 59 53	-0.003	8 +0.024	3.930		4.150		4.290		FOIV	1.	162512	Į.	- [
485	44 RHO- 1 SGR	19 18 46 401	-17 56 34 67			3.930				5.840		KOIII	1	69116	DA5	- 1
486	21 ETA CYG	19 54 25.726	+34 56 58 23		7 -0·026 7 -0·012	3.940				3.960		ADV	1	50274		- 1
487	58 NU CYG	20 55 18.418	+40 58 25 85	+0.000	2 -0.006					5.930	1	GSII-III	1	90775		- 1
488	47 LAM PEG		+23 18 07.41		8 +0.016			1			1	KOIII		256438	D	- 1
489	ZET VOL		-72 29 10 68		2 -0.233	_						KOIII		98087	٦	- [
490	47 DEL CNO		+18 20 21 83		8 +0.035						1	A7VN	1	215092		- 1
491	KAP PHE		-43 57 25.67	+0-011	3 -0.079				1			F2IV_	1	99587	. υν₃	
492	78 IOT LEG		+10 48 17.56	+0-014	0 +0.159	3.950		4.940	1			KOIII-IV	1	215536		-
493	DEL PHE		7 -49 19 55•19 5 +52 33 33•90		0 -0.001			4.700		5.16		G5III+A5	1	23685		
494	18 TAU PER		1 -28 EU UT-10		8 -0.005			4.130		4.08		ASTIEP	1	174400		Ī
495	3 Pul		-28 50 03 19	-0.000	9 +0.002	1		3.720) 1			B2VE	1	197258		- 1
496			32 26 58 66		7 -0.032	1			1 1	3,77	1 1	A P	1	207040		
497			3 -33 28 35.36 -20 32 07.11	-0.000	7 -0.024							BIV	1	194123		
498			-06 15 28 70	-0.000	6 -0.019	3.960			1	6.69		KSIII		133012		.
499	5 GAM MOI	05 57 36.88	JI-no To comin I		4 -0.016		. 1 .	5.100	. 1 •	6.18	٦ i i	KOIII	1	217650	1	- 1

TABLE 5 CONTINUE BY VISUAL MAGNITUDE

UMBER	STAR UESIGNATION	KT• A ⊓R MN	SCEN. SEC	DECTINA		P. N	RA PM	DEC PV	VISUEL MAG.	N		B N	,,,	N N	SPECTRAL CLASS	۲. د	SAN C.T.NO.	PROP.	
501	43 UPS- 3 ERI	114 22	u9.409	-34 07	54.81		+0.0050	+0.051	3.960	1	5.450	1	7.250		Milli		194984		
			17.251				+0.0024	+0.031	3.960	1	3.960	1	4.270	1	B6V	ĺ	232306	۲۷	
502	ZET PHE RHO CEN	01 00	01.684	-52 ₀ 5	24.55	ľ	-0.0038		3.960	1	3.810	1	3.200	1	B4V		239737		Т
503	EPS PAV		50.758				+0.0188	-0.131	3.960	1	3.920	1	3.860	1	AOV		257757	115	1
504			17.342				+0.0026		3.970	1	5.000	1	5.810	1	665		231154	ν٦	1.
505	DEL- 1 GRU		24.075				-0.394		3.970		4.400	1	4.460	1	F5V	1	42642	n	1
506	10 UMA	08 37	40 631	-62 06			-0.1059		3.970		3.785	1	3.120	1	BSIV		250471		-
507	-1 CAR	09 10	01 384	+39 08	007		-0.0004		3.970		5.110	1	6.200	1	KUIII		58502	n -	1
50g	32 NU AUR	05 48	01.070	-40 42	47.10		+0.0026			2		2		2	B9III	1	229650	l	1
509	ALP SGR	19 20	20.472	100 05	56 61		-0.0001		3.970		3.990		3.340		85 1 8		123013	r;	1
510	р7 ОРН	17 38	08.348	+02 55	20.01		-0.3011		3.980		4.850		5.210		FRII		540809		1
511	DEL VOL	07 10	51.559	51	56 77		+0.0012		3.980		4.910		5.560	1	GAITI	Ì	109400	-	1
512	BET PYX	08 28	08+645	-35 07	4/040		-0.0092		3 980		3.970		4.010		AIV	ļ.	4560		1
513	50 CAS	01 59	01.101	+72 10	20.62	1	-0.0010		3.980		5.570		7.510		MOTII	100	165321	۸.5	1
514	71 TAU- 2 AGR	42 40	56.751	-13 51	25.17		-0.0087		3.980		5.080		6.030	1	KOTIT	1	191858	1	
515	98 -B- 1 AJR	23 20	20.779		25.51		-0.0003		3.980		5.500		6.540		KO+A3	١.	4º385	י אַמ	1
510	32 OMI- 2 CYG	20 13	55.487	+47 33	35.68	ľ	-0.00032		3.990		4.390		4.360		FOIII		247814		1
517	GAM TUC	23 14	31.468	-58 30	36.44	l	+0.0059		4.000		3.900		3.620		BBV	'	146181	1	
518	62 ETA AQR		47.203	-00 22	32.77	1			4.000		5.590		7.000		MSIII		47919	V	Į
519	13 R LYR	18 53	48.728	+43 52	45.51	١.	+0.0019			ż	4.05		3.43		ADTV		159763	D.	- [
52 _U	14 No - 1 Sco			-19 19		-	-0.0044		4.000		4.350	ī	4.340		F31V-V		256710	V?	-1
521	I CAR	10 23	24.484	-73 46		l	-0.0020		4.000		3.830	i i	3.140		B3V		205839		1
522	-B CEN			-37 34					4.005	1:	4.155		4.295		A5V	1	250422		-
523	ALP VOL	09 01	39.796	-66 11			+0.0007		4.009		3.929		3.609		Bav		229646	ח	1
524	BET- 1A SGR	10 19	02.816	-44 33	17.72	i.	+0.0006		4.010		4.040		3.400		B2IV-V	1	159764	D	١
525	14 NU - 2 SCO	16 09	05.091	-19 19	56 • 20	-	-0.0008		4.010		4.430		4.500		FAIV	1	128513		
526	26 OME PSC	23 56	44.493	+06 35	11.41	Ŀ	+0.0102		4.010		5.570		7.460		MIIII	I	157471	1	. [
527	59 UPS CET			-21 19		ı	+0.0094		4.010		4.030		4.050		ADV		55427	1:	ı
528	9 GAM TRI	02 14	20.011	+33 37	01.46	1	+0.0037		4.01		5.27	5	6.67		KATIT		176559		- 1
529	GAM PYX	08 48	24.519	-27 31	24.55	1	-0.0100		4.015		5.150		6.165		KZIII		257620	l n	١
530	ZET PAV	16 37	12.297	71 28	28 • 15	1	+0.0016				5.100		6.140		KZIII	1	104318	L	
531	15 EPS AUL	18 57	21.119	+14 59	56.41		-0.0036		4.020				6.150		KITIT	1 .	142931	V?	ı
532	12 -I AQL	18 59	00.591	-05 48	39.65	2.5	-0.0015		4.020		5.110		6.27		GSIII		243643	Ь	
533	GAM- 2 NUR			-50 02			-0.0162		4.02		3.860	2	3.260		85IV		131468		1
534	57 MU ERI	04 42	59.993	03 20	41.33	1	+0.0007		4.020				4.720		FSII	١.	70095		
535	41 CYG	20 27	21.052	+30 12	02.35	1		+0.002	4.020		4.420				GSIII	1	51035	1	
536	73 RHO CYG	21 32	05.828	+45 22	12.30	1		-0.091	4.020		4.910		5.470		A5V	1	28751	V?	-
537	Bu −G UMA	13 23	13.477	7 +55 14	52.98			-0.021	4.020		4.180		4.260		F2V	1	180505	1 "	
538	1 ALP CRV	12 05	49.746	-24 27	00.13	1	+0.0062	-0.045	4.02			2	4.32	12	B3IV		240366	ם	
539	MU - 1 CRU	12 51	38.394	-56 54	24.00			-0.010	4 • 030		3.860		3.110				13351	ñ	
540	16 BET CAM	04 58	57.617	7 +60 22	18.61			-0.014	4.030		4.960		5.590		GnIB	1	39336	l "v	
541	48 MX PER	04 05	01.311	+47 34	51.77			-0.028	4.030		4.000		3.450		B3V	1	29765	'	
542	13 THE DRA	16 00	56.829	+58 41	53•68	1		+0.336	4.030		4.550		4.650	1.	FRIV-V		123107	D	-
543	70 -P OPH	18 02	55.608	3 +02 30	34.62	C		-1.094	4.030	1	4.890		5.400		KOV	1	56856	V2	- 1
544	46 XI PER	03 55	42.825	5 +35 38	56.50	1.		+0.001	4.040		4.060		3.130		07		251841	מ	١
545	ZET CRU	1 12 15	42.632	2 -63 43	30.91			-0.016	4.040		3.870		3.190	1	B3IV	1		1 "	-1
546	3 NU VIR		17.340	+06 48	34.72			-0.187	4.040		5.540		7.320	11	MIIII		119035	V2	
547	2 EPS DEL	20 30	49.400	+11 07	55.83		+0.0007	-0.018	4.040		3.920		3,440	11	Beili	1	106230	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	-
	-C- 1 CEN		35.43	7 -34 57	34.58	1	-0.0054	-0.187	4 • 05	2	5.40	2	6.93	2	KSIII	1	205871	1	
546	PSI CEN			3 -37 39				-0.016	4.05	2	4.02	2	3.91	2	ADIV	1	205453	D	
549	- 1 to 1 to 1 to 1 to 1 to 1 to 1 to 1 t							-0.022	4.05	2	3.90	2	3,34	2	B5V		225071	1	ı
550	RHO LUP			5 -49 12			-0.0031	-0.022	4.05	2	3.90	2	3,34	2	B5V		225071		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	****	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N		U N	SPECTRAL CLASS	S N	SAO CAT-HO-	STAR	
		11 18 33.490	+06 18 13-06	_	-0.0064	-0.015	4.050	1	3.990	1	3.860	1	B9V		118834		۱
221		04 09 25.339	-06 57 50.74		+0.0003		4.050		4.380	1	4.530	1	FZIII		131010		4
55_	38 OMI- 1 ERI	03 05 26.709	+49 25 26.63		+0.1295		4.050		4.650	1	4.760		SOV		×2597		١
55ე	IUT PER	15 05 27.871	-45 05 10.00		-0.0015		4.050		3.870	1	3.190	1	B3V .	١.	225447	7)	١
554	LAM LUP	15 05 21 011	-53 05 09 07		+0.0008		4.06	2		2		2	KSITI	l	244331		1
555	EPS- 1 ARA	16 55 35.463 U2 36 54.985	100 06 50 00		+0.0006		4.06	2	3.85	2	2.97	2	B2IV		110665		1
ა ნი	82 DEL CET	02 36 34.965	+00 00 50 00		+0.0027		4.06	2	4.02	2		2	BIIII-V?P	ŧ	>2554	. V	-
557	PHI PER	01 40 30.757	127 50 12.76		-0.0073		4.06	2	5.18	2	6.05	2	K1II	1	74267	אַנו	1
55გ	34 ZET AND	00 44 40.968	+23 59 43.95		-0.0051		4.06	2	5.21	2	6.31	2	KZITI	l	94218	ר	
559	9 0MI- 2 0RI	04 53 33.423	+13 20 13 04		-0.0031		4.06	2	5.60	2	7.54	2	MOIII		79533		
560	69 UPS GEM	07 32 50 603	+27 00 30 99				4.06	2	4.56	2	4.57	2	F7V	1	29137	V.5	
561	23 THE B00	14 23 29.610	+52 04 52 32	ŀ	-0.0262			2	5.59	2	7.46	2	KSIII		100725	1	
502	5 UPS 800	13 47 03.866	+16 02 42.66	١	-0.0066		4.07	2	5.16	2		2	KOIII	1	156375		
563	7 ALP CRT	10 57 20 138	-18 01 55.62		-0.0326		4 • 07			2		2	665		220371	0	
564	-D VEL	08 42 36.707	-42 28 02.22		-0.0017		4.07	2	4.94				F6IV	1	256496		
565	ALP CHA	08 19 51 079	-76 45 44.05		+0.0328		4.070		4.460	1	4.440	1	A3V		242384		
566	BET CIR	15 13 34.881	-58 36 58 46	Ι.	-0.0122		4 • 07	2	4.16	2		2	A5V	1	12406A	בַעמ	
567	63 THE- 1 SCA	18 53 43.976	+04 08 13.25		+0.0031		4.07	5	4.24	2		2		ì	164132	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	
568	23 THE CAP	21 03 08.318	-17 25 57 78	1	+0.0058		4.07	2	4.06	2		2	AOV		152071	1	
569	14 THE CMA	ne 51 51.951	-11 58 28 64		-0.0098	-0.017	4.08	5	5.51	2	7.20	2	K4III			D	
57 _U	15 GAM CRT	11 22 22.850	-17 24 32.96	l .	-0.0072	-0.001	4.08	2	4.29	2	4.39	2	A7IV	1	156661	1,14	
571	-H CAR	ng 32 59.588	-59 00 21.72	١.	-0.0015	+0.012	4.085	1	4.090		3.535		BSII	1	237117		
572	99 IOT VIR	14 13 23.345	-05 45 46 18	1	-0.0006	-0.432	4.09	2	4.60	2	4.63	2	F7IV	1	139824	٧?	
	40 PHI- 2 ORI	05 34 09-415	+09 15 54.81		+0.0061		4.09	2	5.04	2	5.70	2	GRIIIP		112958		
573		00 00 51 202	-68 53 11.84	Į.	-0.0079		4.09	2	4.12	2	4.17	2	A2V	1	248545		
574	DEL HYI	07 00 11 170	-23 49 10.10		-0.0107		4.090	1	4.250	1	4.330	1	A5V	1	168249	i _ `	
575	11 TAU- 3 ERI	21 10 46 347	+19 35 22.77		+0.0074	+0.066	4.09	2	5.20	2	6.25	S	KIIII	1	107073	יי	
576	1 PLG		+18 17 41.17		-0.0035		4.09	2	5.71	2	7.66	2	GM1	1	101752		
577	35 KAP SCP	15 40 23.210	+12 46 00.30		+0.0013	The second second	4.10	2	5.23	2	6.25	2	KOII-III	1	93469	1	
576	5 -F TAU	05 28 00.302	141 00 00 13	1	-0.0153		4.10	2	4.64	2	4.70	2	F8V	1	37362	İ	
579	50 UPS AND	01 33 31 142	+41 09 22 13	1	-0.0006		4.11	2	3.93	2	2.92	2	B0.5111	1	219035	D	
580	P PUP	07 47 42.846	-46 14 47-17	1	+0.0117		4.110		5.130				KOIII	1	215999		
581	IOT ERI	02 38 41.625	-40 04 06.78	1			4.11	2	4.05	2		2	B9111		248621	1	
562	EPS HYI	02 38 48.796	-68 28 50 94	ı	+0.0171		4		5.28	2	6.44	2	KOTIT	į.	253226	ו ס	
583	EPS TRA	15 32 07.105	-66 09 04.08	1	+0.0048			2	4.150		4.240		A2	ľ	210990		
584	ALP CRA	19 06 04.345	-37 59 03 49		+0.0071		4.110		4.130		6.380		GG3	1	211005	1	
585	BET CRA	19 06 35.486	-39 25 19.53		+0.0002		4.110		5.310				GM6		231161	DV?	
586	DEL- 2 GRU	22 26 46.699	-44 00 20.85	1	-0.0007		4.110		5.680		7.380			1	247680	""	
587	ZET GRU	22 57 56.340	-53 01 21.83		-0.0069		4.110		5.070		5.780		GSIII	1 .	155542	1	
585	39 UPS- 1 HYA	09 49 04.309	-14 36 40 49		+0.0011		4 • 11	2	5.03	2	5.68	2	GRIII	ł	256731	1	
589	GAM CHA	10 34 53.647	-78 20 53.72		-0.0130		4.110		5.690		7.630		MOIII		119213		
590	9 OMI VIR		+09 00 38.34			+0.043	4.12	2	5.11	2	5.75	2	GSIII	1		b	
591	10 KAP PEG	21 42 22.712	+25 24 51.97	1	+0.0025	+0.015	4.12	2	4.56	2	4.59	2	F5IV	1	g9949	10	
592	18 OME CAP	20 48 50.460	-27 06 27.20	1	-0.0004	+0.000	4 - 120	1	5.750				KSIII		199781	1	
593	23 GAM CMA	n7 01 29.713	1-15 33 28.79	1	-0.0004	-0.009	4.12	2	4.01	2	3.53	2	BBII	1	152303	ı	
	29 -E ORI	115 21 32.197	-07 51 09.07			-0.044	4 • 12	2	5.08	2		2	GRIII	1	132067		
594	IOT SGR	19 51 48 997	-42 00 05.48		+0.0013		4.125	5 1	5.210		6,025		KOIII	1	229927	1	
595		10 24 58 826	-49 06 00.58		+0.0147		4.125		5.140	1	5.955	1	GKO	1	229047	1	
596	ZET TEL	15 30 54 404	+31 31 36.47	1		-0.015	4.13	2	4.00	2	3.45	2	B7NN	1	64769	1	
597	4 THE CRB		+09 38 56 64			-0.028	4.13	2	4.29	2	4.40	2	AM	1	113389	DA5	
598	61 MU ORI		140 01 06 11		+0.0342		4.13	2	4.62	2	4.62	2	F7V		38288	ח	
599	13 THE PER	02 40 46.276	+49 01 06 44			-0.156	4.130		4.560				F5V	1	189664		
600	16 PSI CAP	1 20 45 08.501	-25 27 07.14	1	1-0+0030	0.120	1	11 ^	1	1-	1	1	1	1	1	1	

TABLE 5 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	Ŋ	BLUE MAG.	B N	.,-	N N	SPECTRAL CLASS	S N	5A1 CAT-110.	STAR PROP.	N
	1 LAC	22 13 47.175	+37 29 57.05	+0.0009		4.13	2	5.59	2		2	K311-111		72191		
601	1 LAC 17 IOT PSC	23 37 22.603	+05 21 18.60	+0.0251	-0.432	4 • 1,3	2	4.64	2		2	F7V		128310 80416	n .	2
602	48 IOT- 1A CNC	08 43 40.514	+28 56 39 19	-0.0018	-0.045	4 • 132		5.162		5.942		GRII		220204		1 -
603	-E VEL	08 35 53.068	-42 48 47.89	-0.0011	+0.005	4.14	5	4.24	2		2	A9II		78423	D.	į.
604	18 NU GEM	06 25 59.627	+20 14 44.06	-0.0004	-0.017	4.14	2	4.00	2		2	BTIVE		53264	ם ס	1
605		23 37 56.259	+44 03 25.16	+0.0075			2	4.06	2	3,82	2	Bav		145901	υ.	
606		20 14 11.766	-08 01 58.75	+0.0079	-0.019	4 • 15	2	5.14	2		2	G8111-IV			l	1
607	43 THE AQR BET OCT	22 41 04.412	-81 38 41.05	-0.0284	+0.006		2	4.35	2	4.46	2	DA9		258941 77915	ŋ	
608		06 01 04-774	+23 16 04.51	-0.0004	-0.102		2	5.02	2	5.54	2	GG5			و ا	1
609		07 09 18-620	-00 24 30.42	-0.0003	+0.005		2	4.15	2		2	AOTV		134330	DV?	1.
610	22 DEL MON 51 MU PER	0/ 09 10 000	+48 17 33.73		-0.016	4 • 15	2	5.10	2	5.74	2	GOTB	1	39404	DV	
611		15 55 30-926	+27 01 17.43	-0.0058	-0.063	4 - 15	2	5.38	2		2	K3III	l .	84098	D	
612		12 04 15.481	-64 20 05.32		-0.039	4 • 15	2	4.49	2	4.52	2	FOILI	_	251742	ľv	1
613	ETA CRU	12 14 51 002	-67 40 57.38	-0.0417	-0.031	4.16	l	5.74	7	7.35	17	MSIII	7	251830	l ^v	1
614		15 50 58.435	-16 35 02.80		+0.129	4.16	2	5.17	2	5.99	5	KOIII-IV	1	159563	V?	
615	46 THE LIB	17 23 18.832	-24 07 52 05		-0.116	4.16	2	4.44	2	4.56	2	DA9	1	185401	V ?	1
616	44 -B OPH	16 33 04.723	-35 09 16.05		-0.002	4.16	2	5.73	2	7.67	2	GK6		207814	\ \v ?	
617	H Sco		+62 39 22.13		+0.003	4.16	2	4.30	2	3.50	2	B1 TA		11256	٧,	i
618	15 KAP CAS	00 30 08.341	-27 18 17.76		+0.005	4.160	1	4.040	1	3.700		B8VE		191318	L 5.1	
619	18 EPS PSA	22 37 33.030	+58 33 00 • 64		+0.001	4 - 17	2	6.43	2	8.88	2	M2TA		33693	עם	
620	MU CEP	03 47 34.895	-36 21 02.40	-0.0043	-0.049	4.170	1	5.120		5.800		GSIII		194550	ļ	À
621	-G ERI	00 35 00 594	+05 52 45.60		-0.012	4 - 17		4-17	2	4.19	5	AOV	1	116965	D	1
622	4 DEL HYA	16 01 36 889	-11 14 12.28 L		-0.033	4 - 17	2	4.64	2	4.65	12	F5IV+F5IV		159665	l 'n	1
623		07 25 53.849	+31 53 08.32	+0.0116	+0.171	4 • 18	5	4.50	2	4.48	2	FOV		60118	''	
624		07 43 21-195	+23 47 38.99		-0.042	4.18	2	4.12	2	3.70	2	B6IV		76172	V2	1
625	23 TAU 19 LAM BOO	14 14 28.969	+46 19 01.93	-0.0183	+0.158	4 • 18	2	4.26	2	4.31	2	AOP	1	44965 101624	υν	11
626	19 LAM BOO 13 DEL- 2 SCP	15 32 24.681	+10 42 17.82	-0.0051	+0.010	4-184		4.444		4.564		FOIV	ı	86406	D	1
627		18 43 30.511	+20 29 49.72	-0.0008	3 -0 - 334	4 - 19	2	4.65	2	4.67	2	F6V	1	204875	1 "	1
628	110 HER 2 -G CEN	13 46 32.422		-0.0035	-0.061	4 • 19	2	5.69	2		2	GM6	i		· v	
629	4 -	22 13 11.199	+56 47 37 - 39	+0.0541	+0.051	4.19	2	4.47	2	4.51	2	FOIV	1	34227	l o'	1
630	23 EPS CEP 46 XI PEG		+11 54 57.24	+0.0159	0.493	4 • 19	15	4.69	2	4.67	12	F7V	l l	108165 254393	Ďν	- 1
631	LAM PAV	18 47 35.414	-62 14 51.43	+0.0000	0.018	4.200	1	4.060		3.170	1	BIVE		185755	ľv	- 1
632	3 X SGR	17 44 24.664	-27 48 49-14	+0.0001	L -0.009	4 • 20		4.900	ווי	1	_	F8	1	46161	V?	
633 634	35 SIG HER	16 32 29.324	+42 32 21.08	-0.001	3 +0 - 044	4 • 20	5	4.19	12	4.09	2	B9V	1	174852	1	
		07 54 42.490	-22 44 43.84	-0.0020	+ +0.005	4 • 20	2	4.92		5.36	2	FBII	1	219226	עם	١
635	11 -E- 2 PUP		-49 06 30 44	-0.001	5 +0.007	4.200		4.020	0 1	3,070		BZN		112849	b	
636			5 +05 54 41.72	+0.000	6 -0.033	4.20	2	4.07		3.51	2	BSIV	1	210928	D	1
637	32 A ORI		-37 08 13 47	+0.007	9 -0.275	4.21	2	4.73	2	4.75	2	F8V+F8V		214189	ď	1
638			-32 48 26 29	+0.001	4 +0.055	4.210		5.18		5.880		GG8	1 .	158427	1 "	1
639	23 DEL PSA 98 KAP VIR		1 -10 02 30.80	+0.000	+ +0 - 136	4.21	2	5.53			2	KSIII		62053	D	- 1
640			8 +36 57 50 -87	-0.010	0 -0-105	4 • 21	2	5.11			2	GSIII-IV	1	146595	1 "	1
641		23 11 43-97	6 -06 19 07.92		5 -0.192	4.22	2	5.77			2	MZIII	1		V?	-1
642	90 PHI AGR	21 22 20.18	4 -65 35 38.76		4 +0.797	4.220	1	4.70				F8V	1 .	254999	"	
643	GAM PAV		8 +62 49 32.32		0 -0.011	4.22	2	4.42			2	A.M.	1	18897	1	- 1
644	2 THE CEP		9 -04 48 10.73		5 -0.017	4.22	2				2	G511	1	142618	DV?	-
645	BET SCT	10 77 01120	5 +71 18 42.23 L		0 +0.041		2				2	AOSI		9094	UVE	
646	43 PHI DRA		3 +22 10 51.94		0 -0.046		2	4.35				A7V	1	76601	i	١
647	65 KAP TAU	07 32 55 51	2 +48 01 41.40		5 -0.023		2			3.61	2	B5E	1	38980	. [- 1
648	37 PSI PER		6 -23 23 46.59		8 -0.527		Įs	4.65	2		2	F3V	1	168827		
649	27 TAU- 6 ERI		6 +38 06 50 92		0 -0.104		2		2	4.65	2	F2III		55928		ı
650	16 PER	1 02 71 23:00	0 00 00 000	1			1.		- 1	. 1	- 1	l				

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION		DECLINATION DEG MN SEC	P N	RA PM	DEC PM	**-0	N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAN CAT.NO.	STAR PROP.	G N
NOVIDER		uo 17 28.772	45 10 04 72	Н	+0.2714	+1 • 167	4.230	1	4.810	1	4.830		62V		248163	v	
651	ZET TUC	19 48 38.484	1-03 10 00 72		-0.0024		4.23	2		2	7.01	2	S7-1E		68943	l v	1
652	CHI CYG	16 28 06,546	-34 35 50.07		-0.0008		4 • 230	1	4.070		3.270		BZIV		2n7732 2770	רעת	1
653	N Sco	16 28 00,340	+82 07 21.53		+0.0052		4 • 23	2	5.13	2	5.68	2	GSIII	<u> </u>	207332	, , , , , , , , , , , , , , , , , , ,	1
654	22 EPS UMI	16 03 18 108	-36 40 04.52		-0.0016		4.230	1	4.050		3.370		BZVN		70467	D	1
655	THE LUP		+30 32 10.47	1	-0.0009	+0.031	4 • 23	2	5.29	2	6.17	2	KOIII	1	71165	V?	1
656	52 CYG	20 43 35.774	+39 11 03.50		-0.0002	-0.000	4 • 23	2	4.36	2	3.97	2	BOIAB	1	204812	'	1
657		13 42 50.314	-32 47 29.86		-0.0365		4 • 23	2	4.61	2	4.61	2	F2III		100443	D	4
658	1 CEN	13 07 33.321	+17 47 36.25	lL.	-0.0302	+0.131	4 • 23		4.68	2	4.62	2	F5V+F5V	1	51293	1	1
659	42 ALP COM 81 PI - 2 CYG	21 44 56.560	+49 04 39.35	-	+0.0002	+0.003	4 • 24	2	4.12	12	3.40	2	BSIII		257424	D	1
660		16 35 53.074	-77 25 00.28		-0.0859		4 • 24	2	5.30	2	6.25	2	KOIII		160747	"	
661		17 38 36.141	1-12 51 01 01		-0.0050		4.24	2	4.32	2	4.43	2	A2V B1IR	1	219111	ļ	1
662	56 OMI SCA J PuP	07 51 49.995	-47 58 18.20	1	-0.0001		4.24	2	4.10	2	3.11	15	B6V		256924		
663	BET CHA	12 15 22.132	-79 02 04.83		-0.0152	+0.015	4.245				3.620	1	KAIII	1 .	8024	l p	
664		14 27 36.189	+75 55 05.75		+0.0012		4.25	2	5.69	2	7.39	2	MOIII		201405	V?	1
665	5 UMI ALP ANT	10 24 51.646	-30 48 45.30		-0.0059	+0.009	4 • 25	2	5.70	2	7.33	2	KSIII	1	42319	1 ''	
666		09 19 25 154	+43 21 00.83		-0.0016		4 • 25	2	5.80	2	7,71	2	M3II		40756	v	
667	31 LYN 35 PI AUR	05 56 13.359	+45 56 04.47	1	+0.0001	-0.005	4.25	2	5.97	2	7.80	2	B7V		36972	l n	1
668		01 06 35.326	+46 58 32+80		+0.0009	-0.004		2	4.18	2	3.84	5	B7V		148575		ı
669		02 41 44.470	-14 04 10-17		-0.0008	-0.013		2	4.11	2	3.66	2			215906	1	
670		02 25 09-162	-47 55 39.34	i I	+0.0022	-0.005		2	4.11	2	3.61	2	BSIII		233457	V	1
671	KAP ERI	04 14 42-867	-51 36 42.99		+0.0113	+0.189		2	4.55	2	4.58	2	F5V		164861	*	1
672	GAM DOR	22 03 44-306	-14 06 46.96	3	+0.0027	-0.053		2	4.18	2	3.91	2	BeV	1	146598	l o	1
673	33 IOT AQR	22 03 14.300	-09 21 37.71			-0.012		2	5.36	2	6.37	2	KOIII		163422	lő	1
674	91 PSI- 1 AGR	20 14 52 647	-12 39 51.04	1	+0.0013	1+0.002	4 • 26	2	5.34	2	6.15	2	G31B		94026	DV?	1
675	5 ALP- 1 CAP	00 30 54-250	+10 03 35.26	5 l	+0.0036	-0.044	4 • 26	2	4.44	2	4.56	2	A M		110110	1	
676	BB -D TAU	01 42 44.968	+08 54 24 64		+0.0048	+0.052	4 • 26	2	5.22	2	5.90	2	GBIII		191	1	1
677	110 OMI PSC	01 01 30.792	+85 59 24 2			-0.006	4.26	2	5.47	2	6.80	2	KSIII		98267	D	J^`
678	2 UMI	00 55 45 247	+12 03 09.0	7	+0.0024	-0-034	4.26	2	4.39	2	4.54	2	A M		120238	ă	1
679	65 ALP CNC	17 50 05 943	+01 47 08-4	5	+0.0011	-0.025	4.26	2		2	4.49	2	ASIII	1	82706	1 "	1.
680	93 TAU VIR		+28 07 52+0	٠	-0.0605	1+0-879	4 • 26	2	4.84	2	4.92	2	GOV		223909	ס	- 1
681	43 BET COM	15 07 56 75	-49 38 19.8	9	-0.0030	-0.012	4.270	1	4.08		3.320		B2V	1	203907		٠ [
682	XI - 2 CEN	13 03 30 51	-39 54 26.3	í	+0.005	-0.027	4.27	2	4.48		4.60	2	ATITI		44230		- 1
683	-N CEN	12 30 39.310	+41 37 44.1	ñ I	-0.0631	+0.288	4.27	2	4.86	2	4.91	2	GOV	1			1.
684	8 BET CVN	12 31 22 20	2 -29 37 38.4	3	+0.0013	+0.005	4.270	1 1	4.09	0 1	3.529		Beili	1	166716 39639		1
685	ALP SCL	10 20 11 00	5 +41 09 50 5	7		-0.016	4.27	2	5.49	2	6.28	2	KO+A3				
686	58 -E PER		2 +09 54 15.0	از		-0.030	4.27	2	4.58	2		0 2	FOIV	1	110723 216263		1
687	87 MU CET		1 -43 15 35.7	31		+0.748	4.270	1 1	4.98				G5V		131824		1
688	-E ERI		2 -08 49 00.3	2		-0.004	4.27	2	4.07		3.17		B2IV		94044	. 1	-
689	69 LAM ERI	UD UD 434U7	B +12 24 43.8	ī		7 -0.010		2		2	4.52	2	A5V		219501		1.
690	90 -C- 1 TAU		9 -47 11 50 • 4	ة l		9 -0.006					1	1_	B3N		164346		1
691	GAM- 1 VEL	08 07 30.00	B -17 02 55.0	ŏΙ		2 +0.006				2	5,74	2	GSIII		159963		
692	32 TOT CAP	21 17 21 100	9 -16 30 19.1	6		7 -0.038					5.90	2	GSIII		45911		
693	8 PHI OPH	16 60 10131	4 +45 03 54.2	6	-0.002	8 +0.035	4.27		4.20	2	3,92	2	AP		185412		-
694	11 PHI HER	10 07 11.50	8 -29 49 25 2	6		6 -0.140						22222	FSIV	- 1	225638		- [-
695	45 -D OPH	1/ 24 03.31	3 -47 41 33.4	4		5 -0.040						2	88		93923		- 1
696	MU LUP		0 +17 48 55 2	0		6 -0.027				2	4.40	2	AZIV	-	76608		1
697	68 TAU		0 +22 42 06.7	5		6 -0.045						2	FOIII-IV		168634		- 1
698	69 UPS TAU		7 -21 47 57.9	5		9 -0.024		2	4.16		3.81	12	BBV				1
699	19 TAU- 5 ERI	03 31 34.65	1 Let 4, 21,03	٦ ا	1 1 1 2	7 -0.481	4.28	la	4.85	. 12	4.93	10	F8V		111292		- 1

TABLE 5 CONTINUED
STAR LESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N		B N	MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	
701	71 EPS PSC	01 00 20.700	+07 37 17.02	-0.0054	+0.028	4.28	2	5.24	2	5,95	2	KOIII		109627	<u> </u>	+
702	BET HYA		-33 37 47.13	-0.0042		4.28	2		2		2	AOSI	l	202901	n e	1
703	-X- 1 VEL		-55 20 32.70	-0.0027		4.28	2		2		2	GZII	1	238309	D	1
704	47 LAM PER		+50 13 03.34	-0.0015		4.29	2		2			B9V	i"		, J	
705				+0.0025						4.27	2		1	24412		1
			+08 14 13-15			4.29	2		2	4.12	2	BOILL	1	110543		
706	75 SIG GEM		+29 00 22.55	+0.0051		4.29	2		2	6.38	2	K1III	1	79638	V?	1
707	94 TAU TAU		+22 51 46.00	-0.0001		4.29	5		2		2	B3V		76721		1
708	9 ALP CAM		+66 15 38 64	+0.0006		4.29	2		2		2	09.5IA	1 1	13298		
709	6 LAM LEP		-13 13 37.19	-0.0007	-0.003	4.29	2	4.04	2	3.03	2	BO.5IV	l	150340		
710	Q ScO	17 33 06.013	-38 36 07.37	-0.0011	-0.201	4 • 29	2		2	6.28	2	GKO		209019	l v?	. 1
711	BET- 2 SGR	19 19 36.611	-44 53 44.93	+0.0091	-0.052	4.29	2	4.63	2	4.70	2	DF1		229654		-
712	10 NU CEP	21 44 00.269	+60 53 22.50	-0.0005	+0.001	4.29	2	4.81	2	4.94	2	AZTA	120	19624	٧?	
713	17 XI - 2 CEP		+64 23 01.68	+0.0320		4.29	2	4.63	2	4.72	2	AM		19827	D	
714	THE GRU		-43 47 27.19	-0.0038		4.290		4.720		4.880		F6IV		231444	D	
715	29 PI - 2 PEG		+32 55 55.97	-0.0012			2		2		2	F511-111	ł	72077		
716	17 BET- 1 PSA		-32 36 11.08	+0.0053		× 290	1	4.300		4.320		AOV		213883	ם	- i
717	17 IOT AND		+42 59 28 21	+0.0026		4.29			2		S	Bav	1	53216	y 2	
716	10 THE PSC		+06 06 14.76	-0.0082					2						9.5	1
						4.30	2				2	KIIII		128196	}	
719	33 CYG		+56 24 50 93	+0.0073		4.30	2	4.41	2	4.49	2	A3IV-V		32378		
720	12 DEL- 2 LYR	18 52 45.207	+36 50 02·93	-0.0011			2		2	7.62	2	M411	1	67559	ייע	1
721	W SGR	18 01 49.519	-29 35 03.04	+0.0011		4.30		5.100	- 1		. :	F8P		186237	עס	1
722	4 GAM CMI	07 25 26.447	+09 01 42.20	-0.0043		4 • 30	2		2	7,26	2	K3III	. !	115478	D.	1
723	7 ETA HYA		+03 34 45.66	-0.0013		4.300		4.100	1	3,360	1	93V	1	117050	۸.5	1
724	49 MU TAU	04 12 48.954	+08 46 07.09	+0.0014		4 - 30	2	4,25	2	3,74	2	B3V		111696		1.
725	19 -Q TAU	03 42 13.572	+24 18 42.91	+0.0014		4.30	2 2 2	4.19	2 2 2	3.73	2	B6V		76140		
726	91 UPS LEO	11 34 23.255	-00 32 51 17	+0.0001	+0.038	4.30	2	5.31	2	6.05	2	G9III		138298		1
727	4 LAM LEO	09 28 52.248	+23 11 22.21	-0.0018	-0.042	4.31	2	5.85	2	7.74	2	KSIII		80885	Λa	
728	-J CEN	11 47 14 269	-63 30 37.47	-0.0032	-0.002	4.310	1	4,160	1	3.540		B3VNE		251602	İ	
729	THE- 1 CRU	12 00 27.925		-0.0214	+0.003	4.310	1	4.585	1	4.615		AM		251705	D	1
730	53 NU SCA	17 18 00.746		+0.0029			2		2		2	A1V		160479	D	1
731	9 PEG	21 42 08.534		+0.0008		4.31	2		2	6.45	2	G51B	1	107365		1
732	12 GAM- 2 DEL		+15 56 34.82	-0.0024		4.312	1	5.364		5.672	•	KIIV		106476	ם	
733	51 MU - 1 BOO	15 22 35.995		-0.0124		4.32	اۃ		Ž.	4.69		FOV		64686	Ď	1
734	16 ZET UMI	15 45 47.812		+0.0045		4.32	5		2	4.41	2	A3V		8328	., ∧.>	1
735	8 ETA CRV	12 29 29.361		-0.0298		4.32	2	4.69	5	4.71	2	FOIV		157345	V-	1
736	DEL OCT	14 18 39.094		-0.0581		4.32	2	5.63	2 2	7.08	2	GK1		258698		1
737	12 D HYA			+0.0007		4.32	2	5 00	5	7.U0	2					1
			-13 21 49.74			4.32	5	5.22	2	5.86	2	GSIII		154622	D	1
738	29 ZET MON	08 06 04 849		-0.0014		4 • 32	2	5.29	2	6.01	2	G2IB		135551	D.	J
739	-D CAR		-59 34 55 65	-0.0005		4.325	1	4.205	1	3.395	1	BITII		236181	D	1
740	4 XI - 1 CMA		-23 22 52.26	-0.0008		4.33	2	4.09		3.11	2	B0.51V		171895	עם	1
741	-V CEN	14 16 48.924		-0.0017		4.33	2	4.45				8511		241641		1
742	OMI LUP	14 48 21.892		-0.0019		4.330	1	4.190		3.580		86111?		225248	D	1
743	-E CEN	12 50 16.447		-0.0086		4 • 33			2		2	GK2		223731		1
744	10 OME- 2 SCO	16 04 28.091		+0.0029		4.33			2	5.68	2	GG2		184135	٧?	1
745	OME LUP	15 34 40.555	-42 24 17.46	-0.0131	+0.058	4.33	2		2	7.48	2	MOIII		226004	D	1
746	2 -F LUP	15 14 46.871	-29 57 58 36	-0.0007	-0.010		2		2		2	GKO		183346	V?	1
747	49 SIG OPH	17 24 01.895		+0.0001		4.33	2		2	7,41	2	KSII		122387	V?	1
748	71 AQL		-01 16 51.96	+0.0008		4.33	2		2	5.98	2	GSIII		144649	DV?	
749	55 ZET- 2 AGR		-00 16 36.08	+0.0138		4.331	1	4.711		4.701		F2IV	1	146108	Ď	1
750	9 IOT PSA	21 41 58.427		+0.0028		4.340		4.290		4.180	•	AOSI		213258	Ď	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION		DECLINATION DEG MN SEC	P N	RA PM	DEC V		V N		B N	UV MAG.	N N	SPECTRAL CLASS	5 N	SAO CAT-NO-	STAR PROP.	
		18 18 06.453	+36 n2 27.36		-0.0016 +	0.043		2	5.51	2	6.70	2	K2III		5F.869	٧?	1
751	1 KAP LYR	13 58 35.630	-45 21 43.76		+0.0001 -		4.34	2		2	5.22	2	F7I-II		224621	V?	-
752	UPS- 2 CEN	60 14 47-406	-57 19 53.02		-0.0018 -			2		2	7.95	2	GK5		236787 149818	ην	
753	-G CAR 54 DM ERI	09 14 47.400	-19 45 58 40		+0.0011 -	0.096	4 • 34	2		2	7.73	2	GM4		22070	, v.	1
754		01 08 02.554	+54 53 04.32		+0.0265 -	0.017		2		2	4.64	2	A7V		112124	'':	-
755		04 47 53.047	+08 48 57 • 64		+0.0001 -			2		2	4.39	2	AOV		94628	V	
756		05 29 16.760	+18 33 31.99		+0.0002 -			2		2	8.62	2	M2IB GBIII		78143	Va	
757	119 CE TAU 44 KAP AUR	06 12 11.481	+29 31 06.24		-0.0054 -	0.265		2		2		2			249346	1	ļ
758 759	DEL DOR	05 44 40.928	-65 45 15 24		-0.0043 +	0.007		2		2	4.68	2	KOIII-IV		256503	0	1
76u	THE CHA	08 22 10.841	-77 19 26.05		-0.0391 +		4 • 35	2		2	6.70	2	BSIII		250128	D	- [
761	EPS Vol.	ns 07 46.613	-68 28 12.52		-0.0042 +		4.350		4.230		3.770	2	G5III-IV	-	26051	D	
762	15 LYN	ne 52 57.126	+58 29 26 92		-0.0003 -		4 • 35	2	5.20	2	5.71	2	DA5		221344	D	-
763	M VEL	ng 35 02.133	-49 ₀ 7 49•16	Ι.	-0.0113 +			2		2	4.64		DF7	3 1	224920	Ü	
764	TAU- 2 LUP	14 22 57.189	I-45 09 15 94 I	1	+0.0014 -		4.350		4.780	2	3.39	2	B2V		A5769	م ا	- [
765	102 HER	l 18 06 37.111	+20 48 18·86		+0.0002 -		4 • 35	2	4.20				A5V		254147	V?	
766	PI PAV	18 03 45.934	1-63 40 23.74	1	+0.0032		4 • 35	2	4.57	2	4.41	2	A1V		2937		ľ
767	23 DEL UMI	17 48 18.338	+86 36 34.78		+0.0107 +			2		2	7.39	2	KZIII	1	254226	D	- 1
768	XI PAV	18 18 37.191	-61 31 09.61		+0.0005 +		4 • 36	2	5.84 4.55	2	4.71	2	AM		67321	DV?	
769	6 ZET- 1 LYR	18 43 02.939	1+37 33 06 27		+0.0020 +		4 • 36	2	4.48	2	4.56	2	Â3V		104093		- 1
770	111 HER	18 44 48.700	+18 07 28 • 04		+0.0051 +	10.115		2		2	3.83	2	85111		143597	DV?	ı
771	41 IOT AQL	19 34 08.067	-01 23 55.88		+0.0001 -			2	4.170		3.400	1	B3V	•	224673		
772	CHI CEN	14 02 59.020	-40 56 27.53	l.	-0.0017		4.360	١,	4.18	2	3.52	2	BSIV		196352	D	Ì
773	GAM COL	05 55 45.769	-35 17 15 18	ŀ	-0.0003		4 • 36 4 • 36	2	4.26	2	3.92	2	B8V		150239	D	
774	4 KAP LEP	05 10 55.232	-12 59 57 • 16		-0.0014		4.360	١,٠	4.350		4.320		AOIV		232162	D	٠ ا
775	ETA PHE	00 41 06.809	-57 44 13.25		-0.0002		4.36	2	4.20	2	3.65	2	B5V	1	54033	D	- 1
776	29 PI AND	00 34 12.186	+33 26 39.75	1	+0.0013		4.36	2	4.21	2	3.54	2	BSTV	1.0	211716		
777.	THE- 1 SGR	19 56 29.133	-35 24 47.51	ł	+0.0006		4.37	2	6.05	2	7.15	2	MOTAB+B		52055	۸5.	٠ ا
778	5 LAC	22 27 26.535	+47 27 01.65		+0.0003		4.37	2	4.28	15	3.92	2	AP	1	214615		.
779	BET SCL	23 30 17.688	-38 05 42.35	1	+0.0073		4.370		4.320	lī	4,150		BaV		248201	D	
780	BET- 1 TUC	00 29 15.752	-63 14 00.38		+0.0140		4.37	2	5.25	2		2	GBII		110408		
781	65 XI - 1 CET	02 10 20.747	+08 36 47.36		+0.0066		4.37	2	5.44	2		2	KOIII		76430		
782	37 A- 1 TAU	04 01 44.065	+21 56 49.01		+0.0107	-0.050	4.37	2	5.40	2		2	KZIII		93328	V?	
783	57 DEL ARI	03 08 45.885	+19 32 20 22	1	-0.0011		4.37	2		12		2	GBIII		196643		
784	KAP COL	06 14 46.278	-35 07 22.03	1	-0.0007		4.37	2		12		2	B311	1	152126	٧?	
785	20 IOT CMA	06 53 54-354	-16 59 16 84		-0.0013		4.37	2		2		2	AOV		117146	ח	
786	13 RHO HYA	08 45 47.11	+06 01 25.07	1	-0.0064		4.37	2		12		2	K1III-IV		82313	1 _	
787	15 GAM COM		+28 32 46.07	1	-0.0055		4.37	12	5.82	2		2	F4III	1	98964	D	
788	31 A LEO		+10 14 36 35		+0.0009		4.37	2	5.14	2		2	GOII		105120	D	
789	5 ALP SGE	19 3/ 51.612	+17 53 51 21		+0.0006		4.37	2	5.42	2		2	GBII		1n5133	1	
790	6 BET SGE		+17 21 31.95		-0.0005		4.37	2		2	6.85	12	KOII	1	68065	1	,
791	21 THE LYR	19 14 37 838	3 +38 02 37·02 1 +39 03 32·09	1	+0.0000		4.38	2		2	3.57	2	B2IV	1	68010	DV?	
792	20 ETA LYR		1 -21 03 39.72		+0.0165		4+38	12	4.79			2	F ₂ V	1	185296	V?	,
793	40 XI OPH		L +10 14 46.44	1	-0.0036		4.38	12	4.30	2	3,98	2	BBV	1	102458	۰۷۶	
794	25 IOT OPH	10 01 00 07	6 -05 16 21.11		-0.0023		4.38	2	4.37	2	4.38	2	A1V	1	139189	V.2	, .
795	51 THE VIR		7 +47 49 27.84		+0.0004		4.38	2	5.72	2		2	KSIII	1	38890	v =	
796	35 SIG PER		2 +29 02 26 12		-0.0174		4.38	2		2		2	GBIII	1	74164		
797	30 EPS AND		2 -41 57 26.45		+0.0019		4.39	2		2		2	AZIV	1	222487		
798	-I VEL		+ +77 33 42.35		+0.0030		4.39	2	4.34	2	4.25	2	BOILI	1	9665		
799	1 KAP CEP	1 50 TO 30.21	3 -55 13 53.02		+0.0064		4.390	111	4.680	1 I 1	4.76	11	FOIV	1	247244	. D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

	STAR	RT. ASCEN.	DECLINATION P	RA PM	DEC PM		V	BLUE MAG.	BN	UV MAG.	U N	SPECTRAL CLASS	5 N	SAN CAT-NO.	STAR PROP.	G N
NUMBER	DESIGNATION	HR MN SEC	DEO MIL SEC	 		4.39	2	4.58	2	4.70	2	A4V		2:16965	ט	1
801	THE- 2 IND	21 16 18.874	-53 39 37.51	+0.0121	-0.068	4.400			1		1	KSIII	1	191900		
	99 -B- 2 AQR	23 23 25.298	-20 54 58.53	-0.0038	-0.054		2	4.26	2	3.72	2	B5V	1	146620		1
802 803	93 PSI- 2 AGR	23 15 18.318	-09 27 20.71	+0.0012	-0.008	4.400		4.240		3.520		B2VNE	1	236268	٧?	
804	F CAR	ng 45 25.048	1-56 35 06.99	+0.0001	+0.009		2	4.25	2		2	B5V	1	153890	1	
805	16 PUP	DA D6 47.628	I-19 05 50 94	-0.0015	-0.010	4.40	2	5.32	2		2	GG3		234737		1
80 _b	A CAR	06 48 46 131	[-53 33 47·16]	-0.0004	1+0.030	4.400		4.250		3.260	1	09111		173446	DV?	
807	30 TAU CMA	07 16 38.006	-24 51 42.54	-0.0010	+0.000	4.40	2		2	4.81	2	A9IV	1	111568		
808	61 OME ERI	I nu 50 26.131	1-05 32 05 45		+0.022		2		2		2	KOIII	1	120809	1	-1
809	110 VIR	15 00 22.276	+02 17 11 29	-0.0037	+0.007		2	4.80	2	4.95	2	F2II	1	66524	VP	
810	94 NU HER	17 56 35.255	+30 11 32.29	-0.0002	+0.019	4.41	2		2		2	K4III		85163	V	1
811	76 LAM HER	17 28 42.947	+26 08 49 49	+0.0013	-0.003	4.41	2	4.26	2	3.29	2	BOIV		112914		ļ
812	37 PHI- 1 ORI	05 32 04 419	+09 27 26 67	-0.0133	-0.086	4.41	Ž	5.00	12	5.08	2	GOV	ł	77705	V	- -
813	54 CHI- 1 ORI	05 51 25 196	+20 16 07.36	-0.0133	-0.081	4.410		6.000	1	7.710	1	MAIII		215696	٧ ا	1
814	PSI PHE	01 51 38.578	-46 32 48 92	-0.000	-0.064	4.410		5.540		6.600	1	GBIII		214444	1	
815	GAM SCL	23 16 07.705	-32 48 16.84	+0.001	+0.043	4.41	2	5.02	2	5.16	2	F8IV		91253		
816	68 UPS PEG	23 22 52.799	+23 07 43.20	+0.0140	1 +0 • 0 4 5	4.41	2	6.04	2	7.88	2	M3IV	1	147042	٧?	
817	30 PSC	23 59 23.719	1-06 17 30 91		-0.036	4.41	2	5.81	2	7.28	2	GK4	1	182911	1_	١.
816	58 E HYA	1 1 47 20 721	-27 45 11•94		-0.062	4.413		4.256	Jī.	3.523	1	B3NE+B3E		133317	י כ	. 1
819	11 BET- 2 MON	1 06 26 23.939	91-07 00 03•341	-0.001:	5 +0.003	4.42	2		2	6.61	2	K1II-III		151730		1
820	B NU - 3 CMA	66 35 41.389	9 -18 11 34 • 09	-0.001	1 -0.009		2		2	3,60	2	B3V		95259	1	Ţ
821	67 NU ORI	1 06 04 42.949	9 + 14 46 34 • 32	+0.000	-0.022	4.42	2	5.68	2	7.08	2	K2III		59858	DA5	- 1
822	46 TAU GEM	07 07 57.509	5 +30 19 44 • 65	-0.002	2 -0.047	4.42	2	5.36	2		2	GBIII-IV	1	74388	1	- 1
823	38 ETA AND	i nn 54 31.88°	7 +23 n8 53•49	-0.002	5 -0.037	4.42	2		2	8.05	2	GM2		149158	V	- 1
824	26 PI ERI	03 43 46.54	1 1-12 15 25 991		B +0.059				ปร		1	B3V	1	205497	V	
825	-A CEN	1 14 19 56.79	5 -39 17 04.67	-0.002	5 -0.036		2		12		2	B2V		241781		
82 _b	SIG LUP	14 29 14.04	9 -50 14 11 84	-0.004	3 -0.013	4.42	2				2	AM	1	81637		- 1
827	60 -B LEC	10 59 39.75	6 1+20 26 54 • 1 / 1	-0.000	8 +0.032	4.42	2		12		2	GZTII		10629	D	- 1
828	1 ~	1 33 06 18-00	71+75 07 01•551	+0.003	1 -0.023		12		2		2	B2VE		71173	DV?	
829	66 UPS CYG	1 21 15 51.55	5 +34 41 09.86	+0.000	9 -0.000 6 -0.004	4.42	1-	4.46			1	A2V		106322		. 1
830		L on 35 25.55	51+11 12 07•251	+0.002	0 -0 007		2			4.48	2	A1V		123035		
831		1 17 59 12.90	0 +01 18 17.26		8 -0.012		2	1 -			2	GOV		121186		
832		15 44 00.82	9 +07 30 30 70	-0.013	8 -0.029		12		la	3.95	2	B2VF		159918		
833		JI 16 24 07.28	6 -18 20 40 22	-0.000	1 -3.420		12				2	K ₁ V	-1	131063		
834		[04 12 58.16	1 -07 43 45.89		3 -0.021		2			6.91	12	K2III		116988		
835		08 36 08.67	1 +03 31 05 48	-0.001	5 -0.070		2		12	6.70	2			219635	_	
836		08 12 16.28	4 -40 11 39.07	+0.003	4 -0.016	4.44		4.35	2		2			150223	1 7.	- 1
837		P 05 09 57.80	9 -11 55 39.95	70.002	7 -0.162			5.52			2	GK1	-1	233463	_	.
838	. 1 . 7	T 04 15 36.94	3 -59 25 18.30	-0.000	6 -0.046			5.95		7.83				109474		
839		c an 46 A5-11	3 +07 18 47.93	-0.003	6 +0.006			5.80		7.36			- 1	110065		- 1
840		C 01 38 49.55	9 +05 14 07 13	1 -0 - 003	+0.002			2 5.77	12	7.27				69950		- 1
841		G 20 21 51.68	4 +32 01 39 89	-0.001	4 -0.04			2 4.76	12					106425	·	
842			3 +14 53 38 69	-0.001	1 -0.03			2 6.11	12	8.04	2			144814		- 1
843		R 20 45 05.97	4 -05 12 43.27	-0.000	18 -0.18			2 5.46	1	2 6.23				34395		, 1
844		C 22 21 35.31	7 +51 58 40 98	-0.00	2 -0.00			2 5.64	1	2 6.78	2		1	112528		!
845	and the second second	T 05 10 40.48	2 +02 48 11.68	-0.000	35 -0.07			2 4.79		2 4.79	⊦ 2	F2V	- 1	216926		ا ،
846		E 04 38 56.92	1 -41 57 29.93		06 -0.00			2 6.07	'	2 7.92	2	CK	1	198908		1
847	·	P 08 09 34.24	9 -39 28 06 92		93 +0 • 09			2 4.67	' t	2 4.78		A7III	1	199070		
848		P 08 16 40.94	0 -36 30 12.25		09 +0.03			2 4.56		2 4.69	2	AP		184450		از
849	·	ul 16 29 10.00	62 -21 21 39 92					2 5.70		2 7.15	; 2	K3111		9366	' V'	- 1
850	·	A 19 16 31.4	72 +73 15 47.87	1-0.03	30 +0 - 11	-										

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

		S 1	TAR DESIGNATION	15 AN	D STAR	DATA OF	DENEU 0	_	130/12	, 						STAR	G
			1 1	\mathbf{J}	RA	DEC	VISUAL	٧l	BLUE	В	UV	U	SPECTRAL	5	SAO	PROP.	N
	STAR	RT. ASCEN.	DECLINATION F		PM	PM	MAG.	Νİ	MAG.	N	MAG.	N	CLASS	N	CAT.NO.	PROF	
NUMBER	DESIGNATION	HR MN SEC	DEG MN SEC I	V.	PM			-		\vdash					97261		
140,140 271			201 23 00 90	l -n	.0093	-0.103	4.45	2	5.95	2	7.77	2	MOIII		124799	בעת	į
851	6 ALP VUL	19 26 37.410	+24 33 44-89		0.0144		4 • 45	2	5.63	2	6.87	2	K3III	1	238222		
852	38 MU AQL	19 31 38.752	+07 16 16 89	1 _0	0027	-0.003		2	6.07	2	7.86	2	GK3	1	258593		
853	-R CAR	10 33 39.731	-57 17 53.77	1 -6	0.0211	+0.004	4 • 450	1	4.265	1	3.565		B3V	1		V?	1
854	DEL- 2 CHA	10 45 20.164	-80 16 34.91	15	0.0038	+0.038		2	5.10	2	5.48	2	FBIII	1	220730	ס	1
855	-W VEL	08 58 13.313	-41 03 29.79	-	0.0024	-0-050	4.46	2	5.69	2	7.00	2	KZIII	1	80807	17	
856	1 KAP LEO	09 21 44.777	+26 23 55.31				4.46	2	5.76	2	7.22	2	KAIII	1	223062		1
857	B CEN	11 48 38.202	-44 53 42.92		0.0077		4.46	2	5.57	2	6.61	2	KOIII	1	114428		1
858	18 MON	06 45 15.171	+02 28 06 45		0.0014		4.46	2	6.12	2	8.07	2	GM1	1	147169	V	1
859	7 AE CET	00 12 06-096	-19 12 34.97	17	0.0019	-0.065			5.450		6.140	1	G6III	1	193931		1
860	BET FOR	02 46 59.844	-32 36 54 11		0.0071		4.46	2	4.94	2	4.94	2	F6V		148584	1	1
861	1 TAU- 1 ERI	no 42 46.063	 -18 46 59•50		0.0229		4.46	2	5.79	2	7.15	12	KSIII	1	52251		1
862	LAC	22 38 18.981	+44 00 53.45	+	0.0085	+0.010	4.460	1	4.420		4.280	1	AOV.		214153	DV3	
863	22 GAM PSA	22 49 45.065	5 -33 08 28•32	-	0.0024	-0.021	4.460		5.830		7.490	1	KSIII	1	213543	<u> </u>	1
864	LAM GRU	22 03 06.497	7 -39 47 07•80	-	0.001/	-0.117	4.462		4.662		4.802		ASIV	1	113810	D	10
865	B EPS- 1 MON	06 21 07.050	1 +04 37 11 • 68	-	0.0013	+0.010	4.47	2	4.45	2	4.43	2	A1V	1	24929	ם ן	ļ
	7 CAM	nu 53 16.194	+53 40 28•10			+0.008	4.47	2	4.44		4.37	2	B8V	1	255222	סו	1
866	DEL TUC	22 23 48.047	7 -65 13 18•17	+	0.0124	+0.005	4.47	2	4.84	2	4.76	2	F2V	1	83416		1
867	28 SIG BOO	14 32 30 141	1 1+29 57 41•19			+0.129	4.47	2	4.68	2	4.83	2	ATITITIV	1	138102	מו	1
868	74 PHI LEO	1 11 14 07.109	5 -03 22 40 • /6	-	0.0075	-0.041		2	4.86	2	4.84	2	F4V		31815	ן ס	.
869		1 19 35 05.97	4 1+50 06 16•11	-	0.0025	+0.256	4.47	اءً	4.51	2	4.56	ΙŽ	AZIV		179624	1 .	1
870		11 09 11.73	0 -22 33 08•99	+	0.0000	-0.102	4.48	2	_		4.87	2	ΑМ	- 1	27136		1
871		no no 21.31	61+51 48 28•2/	-	0.0147	-0.039	4.48		5.09			12	F6II-III		256582		1
872	15 -F UMA	1 09 05 01.94	B -72 24 05·11			-0.009	4.48	2					GG9	1	191651	ח	1
873		23 03 59.88	51-24 00 49.12	1 1+	0.0048	+0.001	4.480						B7V		255619	1	
874	86 -C- 1 AQN	23 57 19.97	4 -65 51 19.05	1 +	0.0091	-0.020	4.480						B3V		95362		ı
875		1 06 09 05.75	7 +14 13 18•49		10.0002	-0.021	4.48	2				15	A2V		25665	٧?	-
876		1	9 +59 01 54.24	-	-0.0007	+0.025	4.48	12				2	B5		196857		-
877	LYN		8 -32 32 50.81		-0.0019	+0.023	4.48	2			7.45	2	KZII	1	112281	. V.S	
878	LAM CMA	05	0 +01 38 20.04	1 1-	-0.0004	-0.002	4.49	2	5.89				KITIT		96051	D	
879	10 PI - 6 OR		8 +13 16 48.38	1 1 -	-0.0002	-0.060	4.49	2					FOV	- 1	218537	.	1
880	30 GEN		7 -46 40 29.97	1 1.		+0.100	4.49	2					B3V	1	198545		
881	I Puf		7 -38 43 56.84	1 1 1		-0.008	4.49	2					MITIT		190025	ן ס	
882	-B Pul	1 24 04 12-40	3 -25 12 24.97	1 1 .	-0.0017	-0.041	4.490					2	F7V		126643	D	- 1
883	24 A CAF		2 +09 48 11.96	1 1	+0.0031	-0.301	4 • 49	2					A7V	.	61874	V?	
884	7 DEL EQL		3 +35 29 21 -43	1 1-	+0.0041	+0.001	4.49						FOIV		140240		- 1
885	21 LM	1 10 04 23.10	8 -04 08 38 37	1 1	-0.0069	-0.158	4 • 49				4.85		B8		174198	D -	11
886	16 LI		3 -26 41 12.59		-0.0016	+0.016	4 • 49		4.30	14 2	3.74	7 6	A3+A5		67315		19
887	-K- 1 PU		5 +39 33 33.98	de la	+0.0003	1+0.064	4 • 49		1	. 1.	.	ام	KOIII	1	159892		
888		K 18 42 43.32	5 -19 55 19 12		-0.0020	0.050	4.50			5 3	6.37	, 2	GM7		249066		I
889			95 -62 10 31·78		-0.0091	-0.083	4 • 50		6.25	50 1			AOIB		114034		
890	R Do		58 +07 22 16·36			-0.008	4.50	12	2 4.50				GM5		248925		
891	13 MO		13 -62 17 54.81			+0.028	4 • 50						FOV		93932		- 1
892	GAM RE		05 +15 30 23.06		+0.007	7 -0 - 021	. 4.50				4.89	2			36620	1 _	
893			54 +48 00 40 00		+0.001	9 -0-003	4.50		2 4.4				57V		100706		- [
894	22 OMI CA	5 00 41 55.6	09 +17 42 18 8		-0.033	B +0 -034	4 • 50			B			F7V		137366		
895			20 -00 07 35.3		-0.001	2 -0.014	4.50		2 4.4	5	2 4.40	2		.	213576		- 1
896			20 -00 0, 33.0		+0.006	1 -0.033	4 • 50			50	1 4.61	۱۲ ۱		1	18676		
897		A 22 U5 20.20	81 -33 14 00 2	1	+0.002	0 +0 • 050) 4.50		2 5.8						188742		
898	67 RHO DR		27 +67 43 51.20		+0.000	7 -0.012	2 4.50		2 5.9				GK3		14610		
899	59 -B SG		75 -27 18 14.6		+0.011	9 +0.014	4.50	1	1 4.8	81	1 4.8	1 1	F2IV	1	1.4010		L
900		R 22 26 15.2	61 -00 16 35.2	' 1 1	-0-02-	· · · · · ·		┸									

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

	STAR DESIGNATION	RT. ASCEN.	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	,	V N		B N	MVG.	U N	SPECTRAL CLASS	S N	SAO C-T.NO.	STAR PROP.	G N
NUMBER		1115	-55 47 26.91	\vdash	-0.0019	+0.001	4.505	1	4.375	1	3.805	1	BBIV		237959	.j	
901	I- 1 VEL			li	-0.0072	-0-039		2		2	4.55	2	A2V		27298		1 1
902	26 UMA	09 31 24-644	+52 16 30 • 21 -35 43 54 • 93	1 1	-0.0020			2		2		2	K4III		200416		1 1
903	EPS ANT	09 27 10.760	+42 51 59.90		-0.0007		4.51	2		2		2	BZIV	١.	52079 127976		ii
904	6 LAC		+09 08 20.50	1	+0.0006		4 • 51	2	6.09	2		2	M2III		128336		1 1
905	55 PEG		+01 30 17.32		-0.0087	-0.147		2	4.72	2		2	A7V	1	165842	ם	1 1
906	18 LAM PSC 105 OME- 2 AGR	23 39 29.636	-14 49 17.44		+0.0066	-0.063	4 1	2		2	4.34	2	B9.5V	1	246709	"	
907		20 40 22.692	-52 06 04 59		+0.0175			2		2		2	DA9		190374]	
908	I	21 25 52.531	-22 01 33.65	1	+0.0099			2		2		2	GG5 KOIIJ-IV		74546		1 1
909	36 -B CAP 83 TAU PSC	n1 08 53.974	1+29 49 29.07	i	+0.0056			2		2	6.61	2	GG6	1	169570	- V?	1. 1
910 911	50 UPS- 1 ERI	nu 31 32.818	1-29 51 59.49	1	-0.0081	-0.274	4.510		5.490		6.59	2	K1III		234154		1 1
912	GAM PIC	n5 48 55.024	-56 10 42.89	1.	+0.0092	-0.074		2	5.61 4.70	2		2	85+F8		242463	ם	1 1
913	GAM CIR	15 19 22.622	-59 08 33•15		-0.0014	-0.041	4.51 4.511	2	4.531		4.541		AIV		81583	D	81
914	54 A LEO	10 52 54.559	+25 01 00.80		-0.0053		4.515		4.445		4.255		B9V	1	250653	1	1 /
915	-M CAR	09 37 57.870	-61 06 04-10		-0.0055			2	4.65	2	4.74	2	AM	1	158489	V?	
916	100 LAM VIR	14 16 23.969	-13 08 30 89	'	-0.0013	+0.027		2	4.47	2	3.45	2	BOV		174558	ח	1 /
917	OMI PUP	07 46 00.394	-25 48 42.76	'	-0.0010 +0.0114			2	5.63	2	6.66	2	KILLI		75578		.] _ !
916	39 ARI	02 44 55.468	+29 02 26 66		-0.0052	-0.035		2	4.57	2	4.64	2	A2V	5	53798	V?	
919	25 S1G AND	00 15 42.479	+36 30 29.75		+0.0062			2	5.46	2	6.13	2	GBIII	1	1641A2		'
920	13 NU AGR		-11 34 31·13 +27 39 35·21	1	-0.0028			2	5.78	2	6.89	2	K3III	1	88428		
921	23 VUL		+03 33 01.75		+0.0007	-0.004	4 • 52	2	4.40]2	3.90		B5PE		127934 252284	D	
922	4 BET PSC		-60 43 36 67		-0.0046		4 • 525	1	4.395		3.805	1	B5V	1	252293		1
923	J- 2 CEN		-64 16 29.16	,	+0.0055		4 • 53	2	5.38	2	5.85	2	G5III-IV		p1998		1
924	-M CEN		+20 29 48.73	5	-0.0107		4 • 53	2	5.08	2	5.36	2	A +G5III	1	52797	1	
925	93 LEO 7 AND		+49 07 58-27	7	+0.0092	+0.102	4 • 53	2	4.83	2	4.87	5	FoV B5V	100	36699		- 1
926 927	7 AND 35 NU AND	nn 47 02.830) +40 48 25 23	5	+0.0018	-0.016		2	4.38	2	3.80	2	AP		12298	DV	1
928	IUT CAS	1 02 24 54.856	5 +67 10 45•26	١.	-0.0025			2	6.09		8.01	2	K5111	'	55946		1
929	17 PER	no 48 25.535	5 +34 51 19•19	₹	+0.0012		4 • 53	2	4.44	2	4.13	2	BBV		198195	ם י	
930	-F PUP	n7 35 31.016	5 -34 51 17•92	2	-0.0023	+0.013	4 • 53 4 • 53	2	5.47	12	6.16	2	GBIII	1	58465	מי	1
931	29 TAU AUR	ns 45 42.481	L +39 09 58 • 50	?	-0.0021	-0.023	4.53	2	4.58	2	4.60	2	A1V	1	101682	ס	
932	21 IOT 5CP		1 +19 49 48 61		-0.0041		4.53	Z	5.54	12	6.32	2	GRIII	1	228777	ن ا	- !
933	EPS TEL		3 -45 57 54.77		-0.0015	-0.025	4.540		4.390	1	3.770	1	B5V		206580	1 _	1
934	PHI- 2 LUP		0 -36 40 50.36 8 -44 47 33.65	2	-0.0024	1-0.032	4.540		4.360	1	3.680	0 1	B5IV		225950	DV?	ł
935	+D LUP		6 -19 36 13.70	٦١.		-0.043		2	4.46	2	4.08		ASI	1	159090	V2	1
936	24 10T LIB	15 09 21.94	0 -05 02 38.5	ňl		-0.045	4 • 54	2		2			F3V		141665	\ \frac{\frac{1}{2}}{2}	1
937	47 OPH		2 -22 55 26.0	7		+0.013	4 • 54	2		2			AOV	1	57853	ם	
938	5 XI - 2 CMA		8 +33 19 17.0	ا ہ		-0.160	4.54	2		2		2	K3III		4554	Ď	
939		01 57 48.52	7 +70 39 57.2	7	-0.0131	+0.010	4.54	2		12		2	B5V	1	70505		
940	48 A CAS	20 45 27.53	1 +36 18 21.9	4		[- 0.00 <u>3</u>	4 - 54	2		2 ر			ATIV	1	29046	DV	10
941 942) 14 11 41.51	8 +52 01 23•5	5		-0.007		1.	4 - 740	- 1	4.84 5.60		GeV		101250	י ס ו	L
943		1 14 49 04.78	4 +19 18 27.0	0		-0.103		12		8 2 8 2			AP		66001	מ	78
944		17 21 57.34	3 +37 11 26•9	4	-0.0035	+0.005	4.548	2		2			K2111		83645		
945		15 02 18.09	4 1+27 08 29•7	5 J	-0.0132	-0.009	4.55	2		12			GSIII		61570	1	1
946		r i no 31 09.96	9 +36 37 14.3	8	+0.0005	-0.026	4.550				4.72		AZV		248202		
947		c nn 29 16.51	8 -63 14 27.5	0	+0.0156	-0.052							M2III	-1	248918		
946		t n3 57 56.95	6 -61 32 27.6	٦		-0.017 -0.050					1 1 -		GK3		195532		1
949		E 05 02 36.38	1 -35 33 01.6	2		-0.021		ĺż					KZIII	1	96952	1	-1 -
950		1 07 27 00.82	1 +12 06 41.6	0	1 +0.0000	1-0.02	1 755	1		\perp							

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN.	DECLINATION P	RA PM	DEC PM	VISUAL	V N	BLUE	B N	υV	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
			-25 39 20.58	\$0.002	+0.005	4.56	2	6.17	2	8.04	2	GM0		177002	UA5.	1
951	KAP PYX	14 22 54.967			-0.015	4.560	1	4.410	1		1	B3III		224910	V	
952	TAU- 1 LUP EPS- 2 NOR	16 23 30.537	-47 26 34.34		-0.030	4.560	2		2	3,960		B3?V		226773 50456	DAS D	106
953 954	63 -F- 2 CYG	21 04 52.620	+47 26 48 21	+0.000	5 +0.003		2		2	7.85	2	K4II		51904	0	İ
955	2 LAC	22 18 57.336	1+46 17 03.53	+0.002	0 +0.009	1	2		2		2	B6IV	1.	198638	,	ł
956	70 -Q PEG	23 26 37.409	+12 29 04.42		+ +0 •034		2		2		2	G8III B9IV		147059	1	
957	2 CET	00 01 10.761	-17 35 51 40		7 -0.004		2		2	4.40 4.560	2	AOV		192167	סו	1
958	DEL SCL	23 46 19.467	-28 24 24 . 70		0 -0.101		1 2	4.570 6.19	2	8.12	2	MIIII		89752	D	
959	2 PEG	21 27 40.860	+23 25 07.70		7 +0 • 007		2	5.67	2		2	KOIII	ł	10126		
960	11 CEP		+71 04 51 - 73		8 +0 • 105		1		ī	6.070		ASIII	1	184329		1
961	19 0MI 500	16 17 37.370	-24 03 02.03		2 -0.026		ž	5.34	2		2	GZIV	1	6897		
962	24 -D UMA	09 30 05.838	+70 03 06 47		0 -0.015		2		2	4.77	2	A3III	1	136932		
963	32 TAU- 2 HYA	09 29 25 987	-00 57 47.98		0 +0.003		2	6.28	2	8.15	2	СК		251090	٧?	١.
964	-W CAR	10 41 37.637	-60 18 14.13 -32 44 49.54		7 -0.042	4.573		4.443	2	3.843		BSILIP		204916	מ	39
965	3 -K- 1 CEN	13 48 33.943			3 -0.003	4 • 58	2	5.78	2	6.77	2	GG4		221553	1	1
966	-M VEL 24 OME HER	16 23 06.363	+14 08 49.24		0 -0.063	4 • 58	2	4,57	12	4.53	2	AP		102153	5	1
967 968	24 OME HER 31 PSI- 1 DRA	17 42 49.282	+72 10 26 21		3 -0.267		2		2	5.02	2	F5IV-V	1	8890 87883	ת ס	1
969	13 VUL	19 51 20.091	+23 56 52.78	+0.001	9 +0.040		2	4.52	2	4.39	2	AOIII	1	51970	"	
970	LAC	22 22 29.025	1+49 13 20 68		0 +0.001		2	4.67	2	4.33	2	BOIAB	1	216405		
971	-Y ERI	03 35 17.911	-40 26 15.91		3 -0.026	4 • 580		5.620		6.390		KOTTI		194475	р	
972	-H ERI	03 40 58.757	-37 28 13.25		9 -0.070	4 • 585		5.785 5.560		7.095 6.280		GK2 G8III		215194	"	
973	MU PHE	00 38 58.031	-46 21 33 10		7 +0.005	4 • 590		6.220		8.200		GK5		174391	DV?	
974	1 PUP	07 41 31.201	-28 17 27.46		4 +0.022	4.590 4.59	5	4.39	2	3.45	2	BZIV		112775	DV	
975	30 PSI ORI	05 24 12.930	+03 03 14.31		1 -0.003		2	4.40	2	3.46	2	BZIII		132320	DV?	1 .
976	42 -C ORI	05 32 55.055	-04 52 10.72 L		1 -0.000		2	4.48	2	3.73	2	BSILLE	İ	1130n1		
977	47 OME ORI		+04 05 40 59		4 -0.014		2	4.57	Ž	4.60	2	AOIII		77675	D	
978	136 TAU	05 50 10.904	+27 36 08 48 +57 13 16 52		4 +0.005		2	5.85	2	7.00	2	FBIAP		₹5879	V	1
979	7 RHO CAS		-27 51 01.64		9 +0 - 019	4.590		6.240	1	8.050	1	MAIII	. [188844	u V	
980	62 -C SGR		-46 28 24.10		7 -0.034		2	4.57	2	4.47	2	AO	1	228162		1
981	SIG ARA		+65 37 05.16		7 +0.042	4.59	2	4.61	2	4.67	2	A2IV		18299		
982	58 PI DRA DEL CRA	19 04 52-193			2 -0.025	4.59		5.69	2	6.72	2	GK1		229513	.1	1
983 984	1 777 2 2172		-27 47 53.94	-0.000	9 -0.028	4 • 590		4.430		3.690	1	B2.5VN	1	184221	V	
985	13 -C+ 2 5C0 RR UMI	1 14 56 46.802	+66 07 52 18		9 +0.027	4+59		6.18	2	7.77	2	GM5	1	16558	D	1
986	2 A 500	15 50 36.264	-25 10 45 87	-0.001	1 -0.028	4.590		4.530		3.860	,	B2.5VN B8V	1	155713	V2	-
987	40 UPS- 2 HYA	10 02 41.299	-12 49 17.50		9 +0.010		2	4.49	2	4.423	2	B9V		92681	va	1
988	5 GAM- 2 ARI	01 50 46.872	1+19 02 57 87		6 -0.100	4.593		4.553		6.33	2	KOIII		101184	. "	
989	35 OMI 800	14 42 54.369	1 +17 10 30 -21		1 -0.053		2	5.58 4.63	2	4.71	2	A3S		27408	ם	
990	30 PHI UMA	09 48 43.042	+54 17 56 - 59		6 +0.017	4.60	2		2	6.47	2	65111		201927		f
991	IOT ANT	10 54 22.976	-36 52 06 90		4 -0.133 5 -0.000	4.60	2	5.15	12	5.20	2	FOIA	1.	251316	ם	
992	-Y C48	11 10 26.81	60 02 43.18		5 -0.019	4.60	2	4.60	5 5	4.54	2	AOIV		206616	1_	
993	-K 705	15 22 05.12	9 -38 33 28.63 5 +22 34 49.85		5 +0.005	4.60	2		2	5.88	2	G0+A3		86567	D	
994	115 HER	18 32 30 13	9 -24 59 44.24		2 -0.018	4.60	2	4.54	2	4.39	2	В9		188337	D.,	
995	52 -H- 2 SGR	17 57 47 101	+04 22 11.61		0 -0.013	4.60	2	4.58	2	3.77	2	B2VE		123005	V.	
996	66 OPH	127 18 09-50	+23 27 59 22		4 -0.002	4.60	2		2	4.87	2	ASIV	1	91186	V	-
997 998			5 +26 54 31.77		1 -0.061	4.61	2		2	5.89	2	GSIII	1	89228	l v	
998	31 VUL 46 UPS SGR	19 18 51-83	-16 03 01.82	+0.00	0.006	4 • 61	2		2		2	A PEP	1	162518		- [
1000	-Z- 1 CAR	11 04 28 90	8 -62 09 12.83	-0.00	56 +0•009	4.61	2	5.64	2	6.45	2	\$GG5		251269	1	ı

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	MVG.	N	SPECTRAL CLASS	S N	SAN CIT.NO.	STAR	<u>l</u>
		09 26 36.618	-02 32 58.04	+0.0084	-0.018	4.61	2	5.06	2	5.07	2	F6V		136895	Ü	1
1001	31 TAU- 1 HYA	09 20 30 610	-05 59 13.96	-0.0008		4.61	2	5.65	2	6.52	2	KIIII		128572		1
1002	33 PSC	00 02 40.330	+38 24 14.90	-0.0044			2	4.67	2	4.72	2	AZV		53777		1
1003	24 THE AND			+0.0050		4.61	2	4.65	2		2	A2		24531	V.	1
1004	-B- 1 PER	04 14 20 443	+50 10 28.93 -28 15 27.91	-0.0059		4.61	2		2		2	В8		174058	ט	1
1005	-P PUP			-0.0039		4.61	2	5.78	2		2	KZIII		14616		
1006	4 PI - 2 UMA	08 35 51.956	+64 30 16 82	-0.0005		4.61	2	5.45	2	5.96	2	GZIR	ľ	136221		
1007	F HYA	08 41 13.052	-07 03 09 05	-0.0025		4.614	ا و ا	4.424		3.864	2	B5N		174199	D	- 1:
1008	-K- 2 PUP	07 36 46 820	-26 41 19.88	-0.0005		4.62	2	4.36	2		2	BOV	1	132222		- 1
1009	36 UPS ORI	05 29 30 607	-07 20 12.87			4.62	2	5.07	2	5.17	2	FSIII	ŀ	200163	ח	
1010	-K- 2 VEL	09 13 44.903	-37 12 14-18	+0.0017		4.620		4.545		4.345		B9V		239189	l .	
1011	A CEN		-53 59 15 82	-0.0067		4.620		4.470		3.870		B5?VN	1	240368		
1012	LAM CRU	12 51 40.057	-58 52 31.38	-0.0041		4.62		5.01	2		2	F3V	1	142025		
1013	57 ZET SCA	17 57 50.377	-03 41 19 04	+0.0096			2	5.63	2		2	KIIV		140609	1	1
1014	37 LIB		-09 53 40 • 37	+0.0205		4 • 62	2	5.19	2	5.19	2	F9V	1	45772		1
1015	1 CHI HER	15 50 56.688	+42 35 25.78	+0.0396	0.023	4.623	5	4.533		3.733	1	B3VE	i i	133316	ם ו	
1016	11 BET- 1 MON	06 26 23.454	-06 59 58 06	-0.0015				4.91	2	4.24	2	B2IA	1	77911	V2	
1017	62 CHI- 2 ORI	06 00 56.956	+20 08 28.96	+0.0002		4 • 63	2	4.67	2	4.75	2	A2V		75673	DV2	- 1
1018	48 EPS ARI	02 56 20.825	+21 08 29.91 L	-0.0012				5.57	2	6.27	2	KOIII		110206	٧?	1
1019	111 XI PSC	01 50 57.835	+02 56 29.48	+0.0013		4 • 63	2	4.87	2	4.96	2	ASV	1	243279	D	- 1
1020	IOT- LABNOR	15 59 27.038	-57 38 11 18		-0.085		2	5.43	2	5.80	2	G5111-1V		84019		1
1021	10 DEL CRB	15 47 29.715	+26 13 12.87		-0.070	4 • 63		4.79	2	4.85	2	AM	1:	141187	0	١
1022	3 UPS OPH	16 25 05.723	-08 15 40.86		+0.007	4.63	2	5.60	2	6.33	2	GBIII-IV		123140	1	ı
1023	71 OPH	18 04 54.790	+08 43 33 79		+0.032	4.63	2	4.74	2	4.56	2	BBV	1 .	141772		- 1
1024	57 MU OPH	17 35 07.500	-08 05 24-07		-0.025	4 • 63	2	6.29	2	8.14	2	MSIII		81736	V?	1
1025	72 LEO	11 12 32.837	+23 22 05.98		-0.010	4.63	2	4.96	2	5.04		F2III-IV	1	118648	DV?	1
1026	63 CHI LEO	11 02 26.300	+07 36 24 • 10		-0.050	4.63	2	6.24	2	6.99	2	K5+A3		70203		-1
1027	47 CYG	20 31 57.393	+35 04 43.27		-0.004		2	4.87	2	4.98	2	ATIV	1	34628	1	- 1
1028	LAC LAC	22 35 18 813	+51 17 11.75		-0.097	4.63	2	4.60	2	3.64	2	BIVPE		127520	i	ij
1029	52 PI AQR		+01 07 22.87		+0.005	4 • 64	2	4.56	2	4.16	2	AP	1	203681	1	
1030	-L CEN		-39 42 44.92		-0.035	4.64	2	4.53	2	4.14	2	Balll		254273	V?	
1031	NU PAV	18 26 42.408	62 18 46 06		-0.043	4.64	2	5.66	2	6.42	2	65111		229111		. 1
1032	THE CRA	18 29 55.960	-42 21 02.24		-0.021			5.040		5.020		F5IV-V		226064	1	
1033	→G LUP		-44 29 50 11		-0.263	4.640	2	5.60	2	6.30	2	G8111-1V		21855		
1034	28 UPS- 2 CAS	00 53 40.100	+58 54 41.01			4.64	2	5.75	2	6.77	2	KOIII		56224	1	
1035	28 OME PER		7 +39 25 23•39		+0.008	4.64	2	4.80	2	4 94	2	A7V		76920		
1036	102 TOT TAU	05 00 06.223	3 +21 31 13.23		-0.046	4.64	2	4.62	2	4.60	2	ALIV		41754		
1037	21 LYN	07 22 56.84	7 +49 18 46 66		+0.005	4.65	2	4.45	2	3.76	2	BSTITPE	1	173264	עם	
1038	27 EW CMA	07 12 12-83	5 -26 15 54 11		-0.084	4.65	2	4.95	2	5.03	2	FOVP		96265	DV2	
1039	38 -E GEM	06 51 49.416	5 +13 14 34 72		-0.025	4.65	2	4.90	12	4.98	2	FOV	1	94007		
1040	86 RHO TAU	04 31 00.440	1 +14 44 27.45			4.65	2	4.52	2	4.04	2	B5V	1	168925		
1041	33 TAU- 8 ERI	03 51 34.89	7 -24 45 33.23		-0.014	4.65	2	5.57	2	6.20	2	GG5		226466	1	
1042	ETA NOR	15 59 31.678	3 -49 05 31 -58		+0.004	4.65	2	5.61	2	6.33	2	669		241157	DV?	
1043	M CEN	13 43 28.620	5 -51 10 57.82		-0.036		2	5.16	2	5.17	2	FOIA	1	238077	V?	ŀ
1044	P CAR	10 25 32 42	7 -57 22 59.78		-0.002	4.65	2	4.83	2	4.99	2	AM	1 .	88071	1	. 1
1045	15 VUL	19 59 02.40	3 +27 36 51 43		+0.010	4.65	2	5.72	2	6.60	2	KOIII	1	52649	1	
1046	3 AND	23 01 55.86	7 +49 46 47.88		+0.172	4 • 66			2	7.92	2	M3III	1	91611		
1047	B4 PSI PEG	23 55 12.376	5 +24 51 48.72		-0.027	4.66	2	6.25	2	8.25	2	MZIII	1	28843	V?	-
1048	83 UMA		+54 56 03.02		-0.011	4.66	2		2	8.12	2	GM3		16199	DV?	
1049	10 -I DRA		4 +64 58 11-15		-0.006	4.66	2	6.23			2	GK1	1	223614	1	ı
1050	-W CEN	12 39 48.70	0 -48 32 19.34	-0.0129	9 -0.035	4 • 66	2	5.76	2	6.77	1-	01/1				

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

	STAR		DECLINATION DEG MN SEC	P N	RA PM	DEC PM	41004-1	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	5A0 C1T.M0.	STAR PROP.	G N
NUMBER	DESIGNATION			H	070	0.063	4.66	2	4.71	2	4.68	2	A2V		65921	٧?	
1051	69 -E HER	17 15 56.691	+37 20 34.06			+0•062 -0•096		2	5.13	2	5.20	2	F5IV-V	1	160118		1 /
1052	20 OPH	16 47 03.867	-10 41 46.42		+0.00044			2	4.69	2	4.76	2	ASIV	Į.	5006		
1053	GAM CAM	03 45 02.619	1+/1 10 51.59		+0.0004		4.66	2	4.52	2	4,11	2	ASI		169017		
1054	36 TAU- 9 ERI	03 57 47.470 01 08 45.636	120 16 00-66		+0.0027		4 • 66	2	5.69	2	6.50	2	GBIII	1	74544		'
1055	84 CHI PSC	01 08 43 636	+24 19 09.68			-0.027	4.66	2	5.69	2	6.53	2	KOTII		74571 A0378	D.	1
1056	85 PHI PSC	01 11 01.657	+21 38 58 82	1	-0.0074		4.66	2	4.68	2	4.69	2	A1V	1	114258	DV]. '
1057	43 GAM CNC	08 40 23.702 06 38 13.429	+09 56 37.02		+0.0001	-0.007		2	4.42	2	3,35	2	07 A1V		151110	"	1
1058	15 S MON 18 THE LEP	06 03 53.461	-14 55 45.55		-0.0014	+0.016	4 • 67	2	4.72	2	4.72	2	ADP	1	94201		
1059		u4 52 08.440	+10 04 22.53		+0.0030		4 • 67	2	4.75	2	4.84	2	KAIII	1	135380	1	
1066		07 58 40 675	-01 15 08.75		+0.0038		4 • 67	5	6.16	2	7.93	16	DG2		97646	0	1
1061	26 MON 16 ZET- 2 CNC	na ng 21.213	+17 47 58 38	1	+0.0069		4 • 67	2	5.20	2	7 70	2	B3VE	1	197824		1
1062	UPS- 1 PUP	07 16 31.676	I-36 38 30 · 49		-0.0008		4 • 67	2	4.57	2	3.78	2	B5V		38872	ר	1
1063 1064	34 PER	63 25 46.839	1+49 20 15•04		+0.0027		4 • 67	2	4.58	2	3.91	2	B3V		75532		1
1065	35 ARI	102 40 30 651	1+27 29 44 29	1 -	+0.0006		4.67	2	6.36	2	8.04	2	MAIII		257380	ח	
1066	DEL- 1 APS	16 12 48.049	-78 34 25 65		-0.0017		4.67	2	5.67	2	6.40	2	GGB		2n6843	1.	
1067	3 PSI- 1 LUP	15 36 35.033	-34 15 00 • 34	1	+0.0013		4.67	2	5.27	2	5.78	2	F2IB		124628	1 _ ` `	
1068	32 NU AGL	19 23 57.612	+00 14 14 84		-0.0002		4.67	ĺ	5.86	2	6.90	2	KUII-III		31218	D	1
1069	47 OMI DRA	18 50 27.777	+59 19 36 3	1	+0.0095		4.67	2	5.89	2	7.25	2	K2III		138892		
1070	26 CHI VIR	12 36 39.749	-07 43 14 48	1	-0.0001		4.67	2	4.80	2	4.90	2	A4V		119164	1	
10/1	b PI VIR	11 58 18.616	+06 53 35 14	'	+0.0149			2	5.02	2	5.17	2	AM		14796	ס	
1072	14 TAU UMA	09 06 49.121	+63 43 07.23 +50 57 39.10		+0.0001			2	4.55	2	3.86	2	B3IV	1	33665	D	
1073	80 P1 - 1 CYG		-32 27 16.3	31	-0.0000		4 • 67	2	5.56	2	6.10	2	GAIII	1	212636	l b	
1074	GAM MIC	20 58 13.731	+19 03 06.1	1	+0.0055		4.674	1	4.634	+ 1	4.504	11	A SI		92680 238295	ην?	33
1075	5 GAM- 1 ARI		-58 55 20 2		-0.0013		4.676		6.15	6 2	7,126	2	I CK		177374	,,,,	
1076	-T- 2A CAR	10 36 50 545	-28 37 09.0	1	-0.0106	+0.016	4.68	2	5.59		6.22	2	GG7		177469		
1077	LAM PYX	09 25 00-995	-22 07 24.7		+0.0127	-0.164	4.68	2	5.81	2	6.98	2	GK3 K3III		117821		140
1078	G HYA SEX	09 35 50.850	+04 52 33.6		-0.0109			2	6.00	2	7,45	2	FZIV		148036	מ	1
1079	2 SEX	1 01 47 07.649	9 -1 0 55 58•8	B. J	-0.0103		4.6A	12	5.00	_ 2	5.03		GRIII		248460		ŀ
1081	ETA- 2 HYI	Int 53 39.936	5 -6 7 53 34•3	в	+0.0135		4.680		5.62 4.63		4.53	2	AOSI		94290		
1082	11 ORI	05 01 42.545	5 +15 20 10•1	В	+0.0011		4+68	2	4.94			2	FP	1	126593	. ۷۵	1
1083	5 GAM EGU	21 07 54 579	9 +09 55 44•8	2 -	+0.0040		4 • 68	2	5.73			2	KOIII	1	195210		
1084	59 XI AQL	19 51 49 43	∔ +08 19 50•5	9 .	+0.0066	-0.079	4 • 68 4 • 680		5.32		5.70		GG2+A2		191687		1
1085	89 -C- 3 AGR	23 07 14.78	3 -22 43 43.9	7	+0.0018		4.68	ĺż				2	KOIII		142267		1
1086	ZET SCT	1 18 20 55.13	1 -08 57 43.0	3	+0.0028		4.68	2				2	KOTI-III		103285		
1087	93 HER	1 17 57 49.77	3 +16 45 08 • 3	၁၂	-0.0005		4.680	117					B2.5VN	- 1	183854		1
1088	1 -B 5CC	15 47 57.94	4 -25 36 02.9	8	-0.0013 +0.1098	-1 -744	4.69	2	5.49			. 2	KOV	-	18396		1
1089	61 SIG DR	19 32 27.58	5 +69 34 34 1	, I	-0.0020	-0.024	4.69					2	KAIII		165252		1
1090	66 -G- 1 AGE	22 40 53.93	7 -19 05 33.2	31	+0.0031		4.69	2	4.80	2	4.91	2	A3V		106274		1 -
1091	4 ZET DEL		8 +14 30 02.2 9 -08 04 45.9	3	+0.0076		4.69	2	4.88		5.01	2	A7V		247287		
1092	23 XI AG		7 -56 59 33-6	4	+0.4822		4 690					0 1	K5V		145837		- 1
1093	EPS IN	21 27 33 45	8 -02 23 51-1	3	+0.0011	-0.010	4 • 69						BBVE		172579	1	ı
1094	31 OMI AGE	1 06 53 27 26	1 -20 04 17-1	3	+0.0029		4.69		_				GF2		167532	_	
1095	19 PI CM/		7 -29 32 09 8	1	+0.0008		4 • 690						AOSI GBIII		93935		
1096	NU FOR		7 +14 36 08 -2	8		-0.032						2	85V	-	236417		
1097		OR 54 48.70	8 1-52 31 50 2	5		+0.006		1 .					Killi		252016		ı
1098		1 12 42 40.52	8 -60 42 25.2	:7 L	+0.0140		4.69						GM3		139390		
1099 1100			1 -05 59 53.	3	-0.0069	-0.047	4.69	2	6.29	ı ı	0.23	٦	1			ــــــــــــــــــــــــــــــــــــــ	ᆚ_

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N		B N	AVE*	UN	SPECTRAL CLASS	S N	SAN OFT.NO.	STAR PROP.	1
.101	24 CVN	13 32 24.787	+49 16 15 85	-0.0132	+0.023	4.70	2	4.82	2		2	Auv		4668	V? V?	1
1101		00 05 14 516	-70 20 13.97	-0.0007	-0.009	4.700	1	4.550	1	3.750		B2VE	1	2565R3	V -	1
1102	E CAR	00 57 34.334	+08 17 05.76		-0.026	4.70	2	6.30	2		2	MZIII		118044		1
1103	29 P1 LEO	09 37 34 334	3/1 08 02 58	-0.0036	-0.003	4.70	2	4.63	2	4.41	2	B9		202695		1
1104	OMI HYA	11 3/ 43.438	-34 28 02.58		+0.003	4.70	2	4.62	2	4.46	2	B9V		138296	er in	
1105	21 THE CRT	11 34 08.577	-09 31 32.04		-0.010	4.70	2		2		2	K4III	**	23319		
1106	65 AND	02 22 16.474	+50 03 13.03			4.70	2		2		2	A2V		56047		1
1107	22 PI PER	02 55 33.275	+39 27 50 67		-0.037		2	4.58	2	4.13	2	B5III		110809	1	1
1108	91 LAM CET	02 57 01.871	+08 42 33.54		-0.010	4.70			2	4.24	2	B9		174175	D.	1
1109	-M PUP	07 36 13.084	-25 15 00.43		-0.010	4.70	2	4.59				A5V		94054		1
1110	92 516- 2 TAU	nu 36 24.685	+15 49 14 21		-0.016	4 - 70	2	4.84	2		2	06P+B12+B		132314	בעם	1
1111	41 THE- 1 ORI	05 32 48 995	-05 25 16.22 N	-0.0001	+0.002	4.70		5.38	١. ١	3.84	2		ľ	188722	17.	
	58 OME SGR	19 52 46.744	-26 26 01.47	+0.0155	+0.083	4.700		5.450		5.770		DG5		68637		
1112		10 37 24-015	+30 02 13 10		+0.042	4.70	2	5.65	2	6.44	2	GSIII-IV				:
1113		19 37 24 00 804	-14 35 58 05		-0.005	4.71	12	4.78	2	4.82	2	A3V		161520		
1114	GAM SCT	16 26 20 600	-32 22 57.73		-0.024	4.71	2	4.77	2	4.79	2	A2P	1	212874		1
1115	EPS MIC	21 14 54.649	42 53 70 27		+0.005	4.71	2	4.79	2	4.86	2	AP		231675	DV	
1116	IOT PHE	23 32 23.520	-42 53 30 27		-0.022	4.71	2	6.28	2	8.13	2	K4III	l	132176	DV	1
1117	31 CI ORI	05 27 11.524	-01 07 48 08		-0.661	4.71	2	5.33	2	5.46	2	GOV	:	40233	D	-
1118	15 LAM AUR	05 15 37.211	+40 03 24.51		-0.079	4.71	2	5.77	2	6.69	2	KOIII	ļ	219018	1	-1
1119	G PUP	07 46 50.886	-46 57 02.24					5.72	2	6.36	2	G0+A5		39409		1
1120	52 -F PER	04 11 28.714	+40 21 32-43		-0.023	4 • 71	2		2	5.06	2	F5V		248819	Ú	-1
1121	KAP RET	03 28 29.944	-63 06 47.94		+0.376	4.71	2			3.00	15	GK3	1	251597	Ιv	١
1122	MU MUS	11 45 49.276	-66 32 11.82		2 -0.021	4.71		6.24	7		١.			251717	V2.	. 1
1123	THE- 2 CRU	12 01 43.852	-62 53 14.24	-0.0023	+0.003	4.710		4.625		4.015		BSIV	1	43512		
1124	45 OME UMA	10 51 06.507	+43 27 23.96	+0.0042	1-0.028	4 • 71	2	4.66	2	4.60	2	A1V	1	223900	D	-1
	-F CEN	13 03 22.134	-48 11 44.73	-0.003	1 -0.026	4.710		4.570	1	4.000	1	BSV			ا م	
1125		03 51 46-679	-03 06 04.36	+0.0010	5 +0.005	4.719	9 2	5.399		5.819		GBIII		130806	1 0	- 1
1126		01 30 38 66	+58 58 34 67		3 -0.016	4.72	2	5.72	2	6.48	2	GBIII		22397	1	- 1
1127	39 CHI CAS	01 30 38 663	-12 46 38 70		1 +0.00B	4.72	2	5.68	2	6.45	2	KOITI		153942	D	- 1
1125	19 PUP	08 08 33.30	-57 32 25.76		+0.116	4.72	2	5.24	2	5.20	2	F8V		233822	1	ı
1129	ZET DOR	05 04 39.03	1 37 32 23.10		+0.002	4.72	2	5.53	2	6.08	2	GZII		62173	1	- 1
1130	37 LMI	10 35 54.67	+32 14 11 49		0 -0.036	4.72	2	5.69	12	6.43	12	GSIII	1	156869	1 .	. 1
1131	27 ZET CRT	11 42 13.506	5 -18 04 21.55			4.72	2	6.33	2	8.36	2	MIIII	1	177322		
1132	THE PYX	09 19 16 67	7 -25 45 06.29		9 -0.011			4.740		4.750		A1	1.	191988	. D	- 1
1133	101 -B- 3 AUR	23 30 39.73	-21 11 27.66		6 +0.017	4.720		4.56	2	3.98	2	B3V?P	1	164520	DV	١
1134	39 EPS CAP	21 34 17.00	2 -19 41 27.69		7 +0.006	4.72	2				2	F3111-1V	1	142515	עמ	ı
1135	DEL SCT	18 39 32-10	9 -09 06 07 • 26		4 +0.001	4.72	2	5.07	2			KSIII		159442	V?	- 1
1136	43 KAP LIB	15 39 03.63	6 -19 31 05.62		7 -0-107	4.72	2		2	8.24	2	AM		226500		
1137	DEL NOR	16 02 56 88	3 -45 02 21.78	+0.000	2 +0.027	4.72	2		2	5.10	2			141586	D	- 1
		17 14 02-52	3 -00 23 25.24	-0.001	7 -0.067	4.72	2	5.87	2		2	KZIII	1			- 1
1138	4		0 +61 51 21.32	-0.000	5 +0.001	4.73	2		2		2	B2IB	1	19541		- 1
1139			1 -19 05 42.64		3 -0.004	4 • 73	2	5.61	2		2	GBIII		164593	1	- 1
1140	43 KAP CAP		5 -09 10 19.76		8 -0.028		2	5.05	2	5,15	2	AM	.1	144895	1]
1141	b MU AQR	20 47 37 47	7 +40 50 07.24		2 +0.017	4.73	2		2	5.23	2	FOII-IIIF	"	44549	_V	.]
1142	20 AO CVN	13 13 10.14	1 150 30 07 27		0 -0-005		2		2		2	B8	1	21489	D	
1143	14 LAM CAS		2 +54 14 47.51		6 +0.010	1 : -	2		2		2	BBV	1	130528		
1144	17 -V ERI	03 28 08.03	1 -05 14 43.17							1		A2M		256722		-1.
1145	K CAR	10 29 04.38	2 -71 44 06.98		3 -0.034				' 2		و ا	FOV	1	62038	1	
1146	30 LMI	10 23 03.20	1 +34 03 05.10		7 -0.066					5.71	15	G6V	. [157844	1	
1147	61 V18	13 15 47.05	7 -18 02 01.31		4 -1.072							GBIII	1	100053	l p	
			0 +18 04 08 27	-0.007	9 +0.084		1		2		2		1		D	. [
1148			4 +67 52 11.60	+0.013	5 +0.032	4.74			2		2	KOTIT		11751	1	- 1
1149		OF 10 12 47	1 -00 25 49.03		3 -0.001		2	4.58	2	3.79	2	B2IV		132028	1	- 1
1150	22 -0 ORI	103 47 46 77	- [- , , , , , ,]			- I	1		- 1		1					

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	7		B N	***	N	SPECTRAL CLASS	5 N	SAO CAT.MO.	STAR PROP.	1 6
			_	+0.0034	-0.042	4.74	2	6.36	2	8.29	2	GM1		58496	ν۶	
1151	31 UPS AUR	05 47 37 129	+37 17 35 85	+0.0069		4.740		5.780		6.710		DF0		49643	l	ĺ
1152	43 CYG	20 25 30.517	+49 13 00 41			4.74	2	4.61	2		2	B31V		68447		1
1153	в Сүб	19 29 54.724	+34 20 44.00	-0.0002		4.749		4.609		4.049		85111		204944	D.	1
1154	4 -H- 2 CEN	13 50 19.377	-31 40 53.46	-0.0012				5.85	2	6.91	2	Killi	l	157946	٧?	ı
1155	69 VIR	13 24 46 868	-15 42 53 55	-0.0085		4 • 75	2	4.95	2	5.01	2	A7V	1	29071	DV?	١
1156	21 IOT- 1 BOO	14 14 23.673	+51 35 49.93	-0.0165		4 • 75	2				2	KSIII	l	182483		ł
1157	51 -K HYA	14 20 12.508	-27 31 31.63	-0.0145		4 • 75	2	6.06	2	8.29	2	KSIII	Į.	137947	1	1
1156	61 -P- 2 LEO	10 59 16.600	-02 12 53.94	+0.0009		4 • 75	2				2	AO	1	229461	1	1
1159	ZET CRA	18 59 34.512	-42 10 05 43	+0.0049		4 • 75	2	4.73	2		2		1	136061		1
1160	4 SGR	17 56 44.290	-23 48 48-01	+0.0002		4+75	2	4.70	2			A0	1	206889	l	ŀ
1161	4 PSI- 2 LUP	15 39 29.406	-34 33 05 21	-0.0017		4.750		4.610		4.070		B6V B1IV?E]	50335	עפ	
1162	59 -F- 1 CYG	20 58 07.395	+47 19 30 07	+0.0003	+0.005	4.75	2	4.71	2		2		1	147423	V?	1
1163	17 PHI- 1 CET	nn 41 40.021	-10 52 53 49	-0.0009		4+75	5	5.75	2	6.59	2	KOIII	i	148445	1 *	1
1164	76 SIG CET	02 29 42.948	1-15 27 47.46	-0.0053	-0.117	4 • 75	2	5.20	2	5,19	2	F5V		215996	n	-
1165	-S ERI	02 37 53.568	43 06 19.75	+0.0087	-0.021	4.750		4.810		4.870	1	A2V	1	255929	1 ''	1.
1166	NU HYI	02 50 46.274	-75 16 16 59	-0.0071		4.755	1	6.085		7.645		GK4	t			ŀ
1167	90 UPS PSC	01 16 42.703	+27 00 06.79	+0.0019	-0.006	4.76	2		2		2	A2V		74637	1	ı
	B CAR	08 08 11.036	-61 08 59.78	-0.0219		4.76	2	5.19	2		2	DF7	1	250131		1
1168 1169	PHI- 1 PAV	20 31 27.383	-60 45 07.33	+0.0099	-0.180	4.76	2	5.04	2		2	FOV	1	254823		1
	6 NU CAP	20 17 53.489	-12 55 04.49	+0.0011	-0.018	4.76	2	4.72	2	4.61	2	B9V	-	163468	D	1
1170	34 OMI CEP	23 16 33.630	+67 50 16.11	+0.0102		4.76	2	5.60	2	6.09	2	KOIII		20554	DV3	
1171	6 UPS HER	16 01 14.29	+46 10 28 68	+0.0048	-0.062	4.76	2	4.65	2	4.33	2	AP	1	45865	-	-
1172	44 -I BOO	15 02 08.279	+47 50 53.32 C	-0.0409	+0.032	4.76	2	5.41	2	5.52	2	DG1	1	45357	DV	1
1173		16 07 08.47	+36 37 00 • 60		+0.328	4.76	2	5.77	2	6.64	2	KOIII	1	65108	DV?	1
1174		ng 58 03.97	+67 49 35 21		+0.016	4.76	2	6.29	2		2	GM3	1	14742		-
1175	8 RHO UMA 87 -E LEO	11 27 45.52	-02 43 38.71	+0.0011	-0.020	4 . 77	2	6.31	2	8.13	2	K4III	1	138238	I	-
1175	-D Sco	16 15 11.49	-28 29 29 28		-0.106	4.77	2	4.79	2	4.78	2	AOV	1	184301		1
1177	LAM ARA	17 36 31 76	2 -49 23 12.97		-0.175	4.77	2	5.17	2	5.13	2	DF4	1	228257		1
1178	l and the second	10 14 03.97	3 +21 18 03.13		-0.001	4.77	2	4.73	2	4.18	2	B3IV	1	A7010	DV?	-
1179	1 VUL		2 +25 11 53.04		-0.026	4.77	2	6.12	2	7.27	2	KOIBP	1	91019	V.5	
1180	50 PEG	20 51 28 52	9 +44 11 49.76		+0.004	4.77	2	4.63	2	4.05	2	B5V	1	50180	V?	
1181	57 CYG	20 31 20 32	6 -35 44 51.41		-0-004	4.77	12	4.66	2	3.68	2	B1.5IIIE	7		V -	-
1182	-R PUP	08 11 30-17	B -47 08 16.20		+0.006	4.77	2	4.89	2	5.01	2	ASII	ı	220284	1	-
1183	-N VEL		8 +08 05 34.26		-0.014	4.77	2	6.17	2	7.82	2	K4III	1	114410	1	ı
1184	17 MON	06 44 36.88	4 +32 09 25.48		-0.002	4.77	2	5.12	2	4.68	2	BSIAB	1	58164		1
1185	25 CHI AUR		136 77 10 23		-0.007	4.77	2	6.18	2	7.76	2	KSIII	1	57475		- 1
1186	2 AUR		5 +36 37 14 23		+0.026	4.770		4.780		4.820	11	AOV	1 .	215131	ס	ı
1187	LAM- 1 PHE	00 29 00.58	0 -49 04 47.28		-0.018	4.77	2	5.67	2	6.28	2	KOIII	1	168094	D	- 1
1188	2 TAU- 2 ERI		0 -21 12 32.91		+3.185	4.775		6.022		5.945		K5V+K7V	1	70919	D	- 1
1189	61 CYG	21 04 39.93	1 +38 29 59 11 C		-0.022	4.776		4.768		4.728		AO	1	194551	DV3	- 1
1190	-F- 2 ERI	03 46 45.04	5 -37 46 19.90		-0.013	4.78	12	6.35	2	8.27	2	MOIII		129009	1	-1
1191	20 CET		8 -01 24 55 53		-0.091	4.78	2	5.04	12	5.21	2	FOIV		150064	V	-
1192	64 S ERI		0 -12 36 35.31		-0.007	4.78	2	6.16	12	7.62	2	K2TI	1	113220	2,00	
1193	56 ORI	05 49 50.57	0 +01 50 40 22		7 -0.170	4.780				7.430	1.	K2III	1	258207		-
1194	THE OCT		2 -77 20 30 14		+0.002	4.78	2		2	7.26	2	GK1	1	253882		
1195	ZET APS		3 -67 43 16.64		-0.005	4.78	2	1 _	2	3.87	2	B3111		65913	DV	1
1196	68 -U HER	17 15 28.59	9 +33 09 10 06			4.78	2		2	8.20		KSIII		84037	1.	- [
1197	38 RHO SCP	15 49 04.02	8 +21 07 B7 • 15		3 +0.016		2		2	4.08	2	B2PE		177840	D	- 1
119B	I HYA	09 38 59.99	7 -23 21 48 43		0.008	4.78						F6V	1	89940	D	ļ
1199	78 MU - 1 CYG	21 41 54.24	6 +28 30 58 01		0 -0.238				2		2	AIV	1	90717	1	- 1
1200	43 OMI PEG	22 39 24.32	7 +29 02 46 11	- 0.000	+ -0.022	4 • 79	2	1 7. (0	15	4.11	١٠	1 7**		1	l	

TABLE 5 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	> 2		B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C-T.NO.	STAR PROP.	0
1201	24 CEP	22 08 51.004	+72 05 41.00	+0.0067	+0.010	4.79	2	5.71	2	6.32	2	GBIII		10265		T
1202	MU - 1 GRU	22 12 36.640		+0.0045	+0.030	4.790		5.590		6.050	1	GG4		231055		1
1203	THE ANT	09 41 58.247	-27 32 23.32	-0.0037		4.79	2		2		ź	F7	1	177908	D	- [
1204	27 P HYA	09 18 02.492		-0.0013		4.79	2		2		2	68111-IV	ì	136768	2	1
1205	55 UMA	11 16 24.722		-0.0049		4.79	2		2		2	A2V		62491	'	1
1206	36 COM	12 56 27.099	+17 40 42.39	-0.0024		4.79	2		2		2	GMO		100357	V?	1
1207	22 -1 SCO	16 27 09.899		-0.0005		4.790		4.720	•	3.930		B2V		184429	V -	1
1208	69 TAU OPH		-08 10 55.08	+0.0017		4.79	2		2		2	F2+F2	İ	142050		١,,
1209	50 PSI- 2 AUR	06 35 45.703		+0.0006		4.79	2				2	K311-111		41239	D ·	11
1210	9 LAM A ARI	01 55 08.177		-0.0065		4.79	2		2		2	FOIV		75051	DV2	-
1211	64 TAU	04 21 12.579		+0.0077			2		2		2	A7V	l ·	93907	174.5	1
1212	13 ZET ERI	03 13 24.143		-0.0006		4.80	2		2		2	L A V				1
1213	89 CHI PEG	00 12 00.662		+0.0067		4.80	2		ء ا		2	WSIII		130397	l .	
1214	28 OME DRA	17 37 14.348		-0.0002		4.80	2		2			F5V		91792		1
1215	45 -D DRA	18 31 42.658		-0.0014			2		2		2			17576		1.
1216	36 DRA	18 13 36.422		+0.0526		4.80 4.80	-	3.41	-	5.85	-	F719		31039		1
1217	ETA SCT		-05 54 45.78	+0.0042			2	6 60	ا ہ	7.60	_	F5V		17828	i .	1
1218	ZET- 1 SCO	16 50 27.727		+0.0003			~		2	7.62	2	K2III		142838		
1219	40 PSI VIR	12 51 44.944		-0.0019		4.80	_	5.240 6.39	ا ہ	- 0.	_	BIIAE		227375	V?	1
1220	ETA MUS	13 11 49.986		-0.0058		4.80 4.800	5	4.720	2		2	MBIII		139033	V	1
1221	5 CVN	12 21 36.061		+0.0009			2			4.380	2	88V		252224	ָ חַ י	
1222	40 LEO	10 17 01.010		-0.0165			2		2			67111	į	28366		1
1223	35 PEG	22 25 19.619		+0.0054							2	F6IV		99065	٧?	1
1224	NU TUC	22 29 38.365		+0.0060			2		2		2	KOIII-IV		127540		
1225	R CAS	23 55 51.685	151 06 37 30			4.800	7	6.410	۱۲	8.110	I.	GM4		255247		1
1226	57 SIG AGR	22 28 00.124	-10 -6 00 11	+0.0083		4.8			<u>.</u>			GM7E		35938	עם	1
1227	32 PEG	22 19 00.607		+0.0000		4.81	2	4.73	2	4.59	2	ADIV		165134		
1228	11 RHO CAP	20 26 00.601		+0.0013			2	4.81	2	4.62	2	88V		90440	D	1.
1229	26 HYA	09 17 21.845	-11 "5 "5 60	-0.0011			2		2	5.23	2	F2IV		163614	D	
1230	-K CAR	09 19 44.969	-62 41 07 00	-0.0020			2	5.74	2	6.35	2	GBIII		155096	D .	
1231	13 516- 2 UMA		+67 20 21.67 C	+0.0010			2	5.75	2	6.37	2	GG7		250544		1
1232	12 COM	12 19 59.615		-0.0034			2		2	5.32	2	F7IV-V		14788	DV?	1
1233	23 COM	12 32 21.635		-0.0009		4 • 81	2	5.30	2	5.57	2	GOIII-IV+		82273	D .	
1234	60 SIG VIR	13 15 04.685				4+81	2	4.81	2	4.80	2	AOIV		R2390		1
1235	A B ₀ 0	14 15 52.952		-0.0005			5		2		2	GM2		119855		Į
1236	34 W B00	14 41 13.443		-0.0002		4.81	2	5.87	2	6.79	2	KOIII		64053		1
1237	21 SGR	18 22 22 292		-0.0011		4 • 81	2	6.47	2	8.41	2	GM3		83488	V	1
1238	51 OPH	17 28 21.743	-20 34 12.90 -23 55 77 00	+0.0004			2		2		2	K2II		186794	D	1
1239	10T- 2 SCO	17 46 41.171	-40 04 35 00	+0.0003			2	4.81	2	4.75	2	A1		185470	_V?;	
1240				+0.0006			5		2		2	CA3		228466	ָח	
1241	ETA SCL 19 XI CAS	00 25 27.101 00 39 15.820	55 10 58.98	-0.0014		4.810		6.450		8.260		GM4		192545	V	1
1242	49 -D ORI	05 36 27 036	-07 44 04 42	+0.0014			2		2	4.05	2	B2V		21637	٧?	1
1243		05 36 27.836 04 59 00.759	-07 -0 00	-0.0012			2		2		2	A4IV	. 1	132411		1
1244		05 06 50 004	-07 14 44+98	-0.0002			2	4.62	2		2	B2V		131700		1
1245	15 ORI	05 06 50 084		+0.0001			5	5.14	2	5.32	2	F2IV		94359		1
1246	THE DOR	05 13 47.396	-0/ 14 29·96	+0.0025			2	6.11			_	K2III		249225		1
	139 TAU	05 54 53.423	+23 50 58+59	+0.0001			2	4.76			2	BIIB		77775	_	1
1247	B VEL		-48 19 44.43	-0.0018			2				2	BIV		219848	D	
1248	D- 1 CAR	07 59 42.321		+0.0001		4.820		4.650		4.030		B3IV	1	250069		
1249	42 DRA	18 25 50.426		+0.0156			2	6.01			2	KSIII		17888		1
1250	52 UPS DRA	18 55 00.917	+/1 13 50.81	+0.0094	+0.a045 I	4.82	2	5.97	9 [7.07	2 I	KOIII		9283		1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION		DECLINATION P	RA PM	DEC PM		N		B N	UV MAG.	U N	SPECTRAL CLASS	11	CAT.NO.	PROP.	N
NUMBER	DE310(A,110)			+0.0019	-0-057	4.82	2	4.91	2	4.93	2	A2P	7	46305	۷۵	1
1251	52 HER	:6 47 46.246	+46 04 10 06	-0.0105	+0.049		2	5.16	2	5.18	2	FOV		121540		1
1252	50 516 ScP	16 19 32.244	+01 08 42+37	-0.0010			2	5.82	2	6.69	S	KOIII-IV		64948	1	1
1253	11 KAP CRB	15 49 20.761	+35 46 41 • 15	-0.0004	-0.050		2	6.32	2	8.15	2	K4III		A3624		1.
1254	41 OME BOO	14 59 54.991	+25 12 17 10	-0.0032		4.820	-	4.650		3,980	1	BBILL	ļ	225539		1
1255	-E LUP	15 09 27.370	-44 18 47.18	-0.0094	-0.005	4.82	2	5.56	2		2	GZIII	İ	139951	DA5	ı
1256	105 PHI VIR	14 25 37.362	-02 00 17.26	-0.0094	0.003	4.82	5	6.27	2	8.14	2	KSIII	1	B2659	1	1
1257	41 COM	13 04 46.815	+27 53 33.31	+0.0023	-0.077	4.820		4.680		4,070		B4IV		239948	ם	
1258	G CEN	12 23 48 957	 -51 10 25•51	-0.0047			ž	7.51		13.29	2	C7-3		156110	٧	
1259	AYH U	10 35 04.966	-13 ₀ 7 26 18	+0.0020		4 - 82	2	4.80	2	4.73	2	AOV	i	B8944	.	1
1260	29 VUL	2n 36 17.248	+21 01 28·67	+0.0050		4.82	2	5.71	2	6.25	2	GG5	1	188778		
1261	60 A SGR	19 55 54.576	-26 19 57.29	+0.0027	+0.034	4 - 82		5.24	2	4.66	2	ВР		69773	V	
1262	34 P CYG	20. 15. 56.500	1+37 52 35.55	-0.0007		4.82	2	4.84	2	4.77	2	AP		230644	V	
1263	THE- 1 MIC	21 17 34 153	-41 G1 19•95		-0.003	4.82	2	4.92	2	5.08	2	ABITI		49332	UV3	
		on 11 43.632	1+46 39 48+89	+0.0008		4 • 83	5		2	3.00	-	KSIII		156658		
1264	14 EPS CRT	11 22 04.913	-10 35 05.39		+0.021	4 • 83	2	6.39	2	7.04	2	KIIII		221998	V?	
1265	-R VEL	10 20 10.666	-41 23 52 28		+0.051	4 • 83	2			5.15	2	ATILI	İ	63648	D	-
1266	1	13 35 14.400	+36 32 54.96 L		+0.022	4 • 83	2	5.06	2		2	FBIV	1	A3203		1
1267		14 08 07-066	+25 19 39 84	-0.0017	-0.064	4 • 83	2	5.37	2	5.44	2	A3V		84155	l .	1
1268		16 00 08.407	+22 56 30 96	+0.0009	+0.020	4 • 83	2	4.90	2	4.95	٦			17188	1	i
1269		16 40 33.945	+64 41 00.90	-0.0006	-0.017	4 - 83	ŀ		١.			K1P	İ	141483	V?	1
1270	18 -G DRA	16 40 35.223	-04 08 57 19	-0.0031	-0.076	4 • 83	2	6.31	2	8.11	2	K4III	1	187426	l p	1
1271	30 OPH	16 56 25 265	-22 48 29.54		-0.010	4 • 83	5	6.23		7.51	2	CK2		187882	l b	1
1272	32 NU - 1 SGR	18 51 09.064	-25 20 40 58 L		-0.025	4.83	2	5.38	2	5.70	2	DF5		55289	1 "	1
1273	42 PSI SGR	19 12 20.572	+37 37 22.80		-0.036	4.83	2	4.95	2	5.09	2	A5V		37228	ם	ı
1274	58 AND	02 05 21.055	+45 08 57.55		-0.100	4 83	2	5.25	2	5.25	2	F4IV	1		1 "	-
1275	48 OME AND	01 24 39 155	-32 53 39.54		+0.005	4 • 83	2	6.28	2	7.88	2	KIIII		199118	l v	-1
1276	-W PUP	08 19 24+774	-30 09 10 03		+0.003	4 - 83	2	4.62	2	3.66	2	BIIV	1	172520	`	-1
1277	15 EY CMA	06 51 23.116	-20 09 40 03		+0.004	4 - 83	2	4.65	2	3.96	2	B3V	1	197632		
1278	A PUP	07 07 10.276	-39 34 27.71		-0.339	4 . 83	12	5.83	2	6.62	2	KOIV	1	195721	v	ł
1279	OMI COL	05 15 40 780	-34 56 35 08		-0.057	4 • 83		6.62	17			M3S	1	94176	lv	
1280	4 0MI- 1 ORI	04 49 42.058	+14 10 08.31		+0.008	4.84	1		1	ľ	1	B0.5III	7		1 7	- 1
1281	DEL PIC	06 09 19.403	-54 57 24 59		-0.007	4.84	12	4.89	2	4.89	2	A2V		26687	ס	- 1
1282	27 LYN	08 04 42.307	+51 39 09-91		-0.042	4.84	2		2	7.74	2	K4III		109926	1_	
1283	98 MU PSC	01 27 33.722	+05 53 12.21		2 -0.038	4.84	2		2		2	K2II		21832	l n	- 1
1284		00 52 01.012	+58 42 09.02		+0.098	4.84	2		12		2	G5V	1	111120	V?	- 1
1285		03 16 44.129	+03 11 17-27	10.017	5 +0.043	4.84	2		12		2	A3		248644	1_	- (
1286	ZET HYI	02 44 45.930	-67 49 35.41		5 -0.234	4.84	ĺŽ		2		2	FSIV-V	1	148528	ם ן	-1
1287		02 37 08.592	-12 05 00 - 36			4 : 34	2		2		2	G G 5	1	111674	D	ı
1288		04 11 13.026	+09 08 18.55		B -0.036	4.34	2		2		2	GBIII	. 1	123377	D	١
1289		18 18 22.199	+03 21 11.45		1 +0.010	4.84	2		12		2	F8V	1	27670	ŀ	- 1
1290		10 27 26.446	+56 14 15 64		4 -0.035	4.84	2		2		2	A5V		27191	•	- 1
1291		09 12 36.226	+54 13 47.18	+0.000	1 +0.058	4.84	2		12		2	KIIII		118610	l _	
1292		in 57 58.703	5 + 03 53 10 • 88	+0.000	8 -0.020	4.84	2		2		Į	A3M?		189986	D	- 1
1293		1 21 01 33.704	-20 03 14·10		5 -0.035	4 . 84	اءً		2		2	K4III		127285		
1294		1 22 03 09.442	2 +04 48 48 17		3 +0 -105	4.84	2		2			GOIR		165836	_ V.S	- 1
1295		9 39 10 135	51-18 n5 38 16 l		9 +0.008	4.850						GG8	1	231265	מ	- 1
1296		1 22 40 36.44	7 -41 40 32 10		0 -0 -069		- 4 -	1				GK2		247570	D	- 1
1297		1 00 40 34.442	2 -53 45 49•19		0 +0.024							A4	1	119029		- 1
1298		11 42 42.41	0 +08 32 10•50		0 -0.022							AOV	1	223870		1
1299		l 13 nn 38.85	2 -49 15 31 85		1 -0.017			4.87	" "	1 ****	` *	GBIII	1	68778	1	
1300		19 42 28 30	1 +37 13 56.98	+0.005	9 +0.035	4 • 85	- 1				1	1 00	1	1		لــ

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

hníca	NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N	∪۷ ۱40•	U N	SPECTRAL CLASS	2 2	SAO C+T•NO•	STAR PROP.	G N
Ė į	1301	19 XI CRB	16 20 08.817	+31 00 25.01	Г	-0.0076	+0.111	4 • 85	2	5.82	2	6.62	2	KOJIJ		65254		
X	1302	29 -H HER		+11 35 38.47		-0.0121	-0.080	4.85	2	6.34	2	8.16	2	K4III		102234		1
<u>e</u>	1303	-D- 1 PUP	07 37 41.560	-38 11 32 04		-0.0018	+0.002	4 • 85	2	4.66	2	4.01	2	B3N		198253		
8	1304	-E- 2 CAR		-57 50 08.00		+0.0051		4.86	2	5.86	2	6.67	2	669		236106	١ _	
ቪ i	1305	126 TAU		+16 30 35 29		+0.0006		4 • 86	2	4.74	2	4.11	2	BSTV		04759	. n	
Memorandum	1306	132 TAU		+24 33 09.24		+0.0000		4 • 86				. 05	_	GBIII		77502	V?	
5	1307	76 NU CET		+05 22 33.99		-0.0021		4 • 86	2	5.72	2	6.25	2	GAIII K3III	1	110635	6	1
i I	1308	39 A ERI		-10 22 44.97		-0.0010		4 • 86	2	6.04 4.84	2	7.18 4.30	2	BEILI		39483	V.2	
	1309	53 -D PER		+46 22 53.01		+0.0019		4 • 86	2	5.18	2	5.27	2	A5		109739	DV?	
ω ω	1310	Bo ZET- 1 PSC		+07 18 41.34 -63 25 39.01		+0.0009			2	6.11	2	7.43	2	GKO		253088	```	
-7	1311	EPS CIR		+16 32 06 • 18	1	-0.0101		4 - 86	5	6.09	2	7.49	2	K3111		100980		1
U	1312 1313	20 B00 Q VEL		-51 33 55.33	1	-0.0013		4.860		4.740	1	3.960	1	B2V	i	237736		1
∞	1314	1 CAS		+59 08 57.60	1	+0.0010		4.86	2	4.83	2	3.96	2	BO.SIV		35147	İ	1
	1515	8 AND		+48 44 30 65	1	+0.0035		4 • 86	2	6.53	2	8.50	2	GM2		52871	DA3	ı
	1316	27 PSC		-03 50 00 - 24	1	-0.0033	-0.068	4.86	2	5.79	2	6.49	2	69111		147008	2	
1,000	1317	55 CYG		+45 55 40.43	1	+0.0001		4.86	2	5.28	2	4.83	2	BSIA		50099	DV3	1
	1318	4 UMI		+77 46 56.76	ı	-0.0108		4 • 87	۱.					K3III		7958 44317	l v	1
	1319	Y CVN		+45 42 47.87		-0.0002		4 • 87	2	7.41	2	14.03	2	C5-4 B P		159607	l v	
	1320	48 FX LIB		-14 08 11.73		-0.0010		4 • 87	5	4.970		4.61	٢	BOIA		226900	'	
	1321	MU NOR	16 30 31.335		1	-0.0009 -0.0107		4 • 87	1	4.9/0	1		l	FOV		210781	l v	
1.14	1322	EPS CRA	18 55 21 108	-37 10 27 98 -21 39 38 57		-0.0068		4.87	2	5.34	2	5.31	2	F5V	1	185660		
	1323 1324	56 OPH 8 DEL TRI	02 13 59 614	+33 59 47.61		+0.0928		4 . 87	2	5.48	2	5.50	2	GOV		55420	ח	
	1325	8 DEL TRI LAM COL	05 51 17.867	-33 48 40 - 70		-0.0008		4.870		4.720		4.160	1	B5V	1	196276		1
44.7	1326	12 LYN		+59 29 41.90		-0.0028		4.87	2	4.95	2	5.02	2	A2N		25939	D	j
	1327	81 -G GEM		+18 38 00 . 94		-0.0051	-0+062	4+87	2	6.33	2	8.09	2	KSIII		97221	l _	İ
	1328	9 HYA	06 39 24.073	-15 45 45 16		-0.0006		4 • 88	2	5.95	2	6.87	2	K1III		154552	ŋ	
	1329	11 MU AUR		+38 25 38 27		-0.0016		4 • 88	2	5.06	2	5.16	2	AM		57755		1
	1330	15 ERI		-22 41 34.59		+0.0010		4+88	2	5.78	2		١,	GG6		168452	D	
ORIGINAL OF POOR	1331	24 NU - 1 DRA		+55 13 04-07		+0.0163		4 • 88	2	5.14 5.15	2	5.17	2	AM		30450	ก	1
A B	1332	25 NU - 2 DRA		+55 12 22.81		+0.0165		4.88	2	4.97	2	5.00	2	AOV	ŀ	100211	'	
-0	1333	30 RHO VIR		+10 30 39 16 +24 13 23 62		-0.0022		4.88	٦	1 7 7	-	3.00	-	KOITI		82211	1	
37	1334	7 COM 8 SIG CAS		+55 28 35.99	1.	+0.0009		4.88	2	4.82	2	3.99	2	B1V		35947	۵	
05	1335 1336	10 LAC		+38 47 22.43	1	-0.0000		4.88	2	4.68	2	3.63	2	0 9 V		72575	ח	1
POOR POOR	1337	ZET IND		-46 24 48.08		+0.0047		4 - 885		6.400	1	8.255	1	GK5		230391		
K	1338	ALP MIC		-33 57 58 21	1	+0.0008	-0.022	4.89	2	5.89	2	6.62	2	GG7		212472	D	
		DEL PYX		-27 29 18 69		+0.0057	-0.105	4.89	2	4.99	2	5.12	2	A3V		176697	D	
) A	1340	EPS SCT		-08 19 34-55		+0.0014		4 - 89	12	6.01	2			GBII	1	142546	D	1
T-1 1	1341	58 ZET ARI		+20 51 37.93		-0.0019		4 • 89	2	4.87	2	4.86	2	ADIV-V		75810 148385	1	1
님	1342	72 RHO CET		-12 30 54.30		-0.0012			2	4.87	2	4.82	2	B9V B9		167882	٥١	1
QUALITY	1343	OME FOR		-28 27 04.49		-0.0017		4.890		4.830 5.38	2	4.690	12	F6V	1	147133	"	
	1344	6 -F CET		-15 44 32 63		+0.0056		4.89	2	4.75	2	3.98	2	B3V		77184		
	1345	114 -0 TAU		+21 53 45.83		-0.0014			2	5.79	2	3.70	-	6 6 4		176253	DV?	1
	1346	ZET PYX CHI GEM		+27 56 10.14	1	-0.0019		4.89	1		1	2.5		KZIII		79896	1	Į.
	1347	L- 1 PUP		-45 05 42 29		-0.0024		4.90	2	4.88	2]		A SI	1	218546	V?	1
	1349	16 LYN		+45 09 40 72		-0.0021		4.90	2	4.93	2	4.98	2	A2V	1	41463	V?	
	1350	51 -B ORI		+01 27 07-18		-0.0038		4.90	2	6.07	2	7.13	2	KOIII	1	113056		
1 3 3 3 3 5	*				1_	1	<u> </u>	1	ل	<u> </u>		1	1_	<u> </u>	<u> </u>	1	1	┸

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR CESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	У 2	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAN CAT-MIN.	STAP PROP.	G N
1351	46 XI AND	01 19 23,103	+45 16 02.86	+0.0030	+0.012	4.90	2	5.98	2	6.95	2	KOIII-IV		37155		T
1352	46 CET	1 L T T L L L L L L L L L L L L L L L L	-14 51 30 18	+0+0024	-0.015	4.90	8	6.13	2			KSITI		147803	l .	
1353	19 -H DRA		+65 12 39 19	+0.0371	+0.046	4.90	2	5.38	2	5.35	2	F6V	ł	17291	v?	1
1354	IOT TEL		-48 12 32.55	-0.0013	-0.036	4 • 90	2	5.99	2		1	GOIII		229751		1
1355	37 COM		+31 03 15.55	-0.0016	-0.012	4.90			1		l	69711-111		63288	-0	1
1356	VV CEP		+63 23 13.52	-0.0004	+0.006	4.90	2	6.65	2	7.03	2	M2IAFP		19753	٧	1
1357	50 RHO PEG	22 52 42.550	+08 32 55 88	+0.0052	+0.019	4.90	2	4.90	2	4.90	2	A1V	1	127839		١.,
1356	-B- 1A CAR	08 55 45.016	-59 02 08 48	-0.0019	+0.005	4.909		4.739		4.089		B3IV	1	236436	ח	
1359	EPS CHA		-77 56 36·07	-0.0161		4.910		4.750		4.690	1	B9VN		256894	. D	1
1360	PHI- 1 HYA		-16 36 59.36	-0.0073			2		2		1	KOIII	l	156122		1
1361	-P CEN		-33 43 37.32	-0.0022			2	4.87	2		1	ADIV		203863		:
1362	ET VIR		-16 04 00 12	+0.0002		4.91	_	6.61			_	GM3		158401	V	
1363	ETA APS		-80 46 30 92	-0.0111			2	5.16	2	5.27	2	A2P	ł	258603		.1
1364	72 CYG		+38 18 32 85	+0.0102			2	5.99	2		2	KITIT		71480 89084		
1365	30 VuL		+25 05 26.59	-0.0023			2	6.10	2		2	K2III		102584	D	1
1366	60 HER	17 03 03.442		+0.0034			5		2		2	GOV		253554	l ''	1
1367	ZET TRA		-69 58 28 74	+0.0404			2	5.28	2		2	FOI		296445		1
1368	1 -1 Lup		-31 20 01.92	-0.0004 -0.0001			2		2		2	K311-111	ľ	131270		1
1369	45 ERI		-00 08 59.17 +12 38 13.65	-0.0001			2	4.84	2	4.68	2	B9IV	Ι.	94888		İ
1370	134 TAU 53 AUR		+39 24 14 81	+0.0038		4.91	٦ ا	7.07	-	7.00	-	K411-111		59866		
1371			+34 42 03.15	-0.0026			2	5.31	2	5.42	2	F3111		60247	İ.	
1372 1373	71 OMI GEM		+28 n1 15.81	-0.0025		4.92	-	0.32	-	3.	-	KZIII	1	79434	ח	
1374	20 MON		-04 09 27.36	-0.0004		4.92	2	5.95	2	6.73	2	KOIII	l	134262		1
1375	69 -F- 1 ORI		+16 08 36+85	+0.0006		4.92	2	4.80	2		2	B5V		95365		1
1376	1 AUR		+37 24 07.10	-0.0031		4.92	Ī		Ī.		1	K4III		57447		
1377	52 PHI TAU		+27 13 58 39	-0.0018		4.92			1			KIIII		76558	ם	
1576	12 PER		+39 59 01.47	-0.0014	-0.184	4.92	2	5.51	2	5,65	2	F9V		55793	٧?	
1379	104 A HER		+31 23 29.74	-0.0009	+0.023	4.92	i					GM3		66737	٧٦.	
1380	28 -B- 2 CYG		+36 41 29.09	+0.0001	+0.016	4.92	2	4.80	2	4.02	2	B3VE		59518	l	
1381	24 PSI CYG	19 54 20 175	+52 18 19.76	-0.0045	-0.028	4.92	2		2	5.10	2	A3IV-V	1	32114	D.	1
1382	15 TAU PSA	22 07 13.298	-32 47 41.36	+0.0344	+0.015	4.92	2	5.40	2			DF5		213602		
1383	-C- 2 CEN	14 41 54.660	-34 58 52 58	+0.0002			5		2		2	A1		205899	1.22	1.
1384	78 UMA		+56 38 07.77	+0.0134			2	5.29	2		2	F2V	l	28601	DV?	
1385	XI TEL	20 03 33.869	-53 01 33-20	-0.0008		4.930				8.370		M2III		246443	l _	1
1386	76 PEG	23 41 28.241	+29 05 04.11	+0.0054		4.93	2	5.89	2	6.52	2	KOIII	1	91457	D	1
1587	90 -F HER		+40 00 58.78	+0.0006		4.93	1 .	l		۱		K3III		47037	D	1
1386	19 DEL LIB		-08 19 18 19	-0.0045		4.93	2	4.93	2	4.82	2	AO .	1	140270	. V .	- [
1389	45 -C B00		+25 03 46 28	+0.0136		4.93	2	5.36	2	5.34	2	F5V	1	83671 141022		-
1390	15 PSI Sco		-09 56 10 17	-0.0006		4.93	2	5.02	2	5.12	2	A2V	1	23791		1
1391	-K PER		+56 30 40 - 39	-0.0019		4.930	١.	5.260	١,	5.330	١,	KOII-III		216682		
1392	DEL HOR		-42 07 23 02	+0.0169		4.93	2		2		2	GG6		218093	0	11
1393	-Y- 0 PUP		-48 10 28 82 -16 28 46 70	+0.0002		4.93	2	5.17	2	0.39	٦	A2P	ŀ	151093	1 'V2	1-
1394	17 LEP		-16 28 46.70 -49 30 35.90	-0.0053		4.93	2	5.n7	2		1	AZM	l	218427	1	
1395	H PUP		+82 30 50 36	-0.0003		4.93	-	~ " "	1	l .		GM4	.	1179	l v	1
1396	VZ CAM		-03 32 31.18	-0.0003	1	4.93	2	6.14	2	7.35	2	KZIII		135345]	1.
1397	27 MON			+0.0019		4.94	2	6.34	2	7.97	2	GK2		235336		1
1398	Q CAR		-52 25 17.59	-0.0009		4.94	2		2	4.24	2	B5IV		151037	D	1
1399	3 MON		-10 35 49.89 +20 27 25.70	-0.0009		4.94	2	5.20	2	5.31	2	A M		76532	I -	1
1400	50 OME TAU	04 14 12.020	TEU ZI 23010	-0.0031	0.057	1 7034	٦	3.20	1-	3.51	ı-			, , , , , ,	100	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F		RA DEC PM PM	VISUAL MAG.	N N		B N		U N	SPECTRAL CLASS	S N	SAO CAT-NO.	PROP.	,
		02 55 57.291	+34 59 02.76	1	-0.0039 +0.010	4.94	2	6.19	2	7.47	2	KZIII		56052		
1401	24 PER	02 33 371231	+43 59 53.73	1	-0.0021 -0.008	4.94						K4III		37867	٧?	i
1402	60 -B AND	02 10 04.402	+40 19 28.67	1	+0.0011 -0.021	4.94	2	4.85	2	4.44	2	BSIV		3741P	JA5	
1403	53 TAU AND	01 3/ 3/ 070	+24 32 52.75		-0.0017 +0.001	4.94	- 1	4.900				AIV		a5021		1
1404	70 HER				-0.0048 -0.158	4.94	2	5.38	2	5.40	2	F5V		159234		1
1405	31 EPS LIB	15 21 29.016	-10 08 37.90		+0.0057 -0.092	4.94	2	4.98	2		2	AP	ł	128186	V	ı
1406	8 KAP PSC	23 24 22.087	+00 58 53-91		+0.0024 +0.010	4.94	2	4.82	2	4.18	2	B3V	١	35478	עמ	1
1407	AR CAS		+58 16 23 29		+0.0079 +0.059	4.94	١,	7 • OL	-	7.10		KIIII	1	35763	I	1
1408	5 TAU CAS		+58 22 24 18		-0.0010 -0.013	4.94	2	5.61	2	5.81	2	GOIII		82537		1
1409	31 COM		+27 48 44 73			4.94		2.07	-	5.51	Ι-	GSIII	l	120601	٧?	
1410	31 B00	14 39 11.282	+08 22 28 74		-0.0003 +0.000		1					KATIT	1	83015		
1411	6 - E B∪0	13 47 20 894	+21 30 41.73	4.0	+0.0012 +0.013		2	4.96	2	4.96	2	A22	2	120004	V	. 1
1412	78 -0 V1R	13 31 35.762	+03 54 54 36		+0.0028 -0.029		2	5.30	2	5.34	2	FAV	-	179514	ו ס	
1413	CHI- 1 HYA	11 02 55 152	-27 01 23.86		-0.0142 -0.00	The second second	2		2		2	GKO	1	200159		
1414	-L VEL	09 13 38.354	-38 21 38 67		-0.0060 -0.01			4.902		4.582		AP	1	101138	205	1
1415	29 PI - 1 BOO	14 38 22.485	+16 37 54 - 23		+0.0010 +0.01				2		2	GRIAI-IV	1	140176	'	ı
1416	11 LIB	14 48 25.251	-02 05 30.76		+0.0054 -0.12		2			5.40	2	FOP	1	82310	1	
1417	14 COM	12 23 54 154	+27 32 42.06	1	-0.0011 -0.01		2	5.22	2		2	G811-111	1	118875	1	
1418	84 TAU LEO	11 25 21.928	+03 07 54.52		+0.0011 -0.01		2	5.95	2		2	Belli	1	69101	ł	
1419	22 CYG	19 54 04 405	+38 21 10 14		-0.0003 +0.00		2	4.86	2	4.34	2	AZV		105878]	1
1420	67 RHO AQL	20 11 57.746	+15 02 38.36		+0.0040 +0.05		2			5.05	2	BZV	1	49712	9	1
1421	45 OME- 1 CYG	20 28 30.540	+48 46 57.96		+0.0009 +0.01		2	4.86	2			FOIV	1	29727	ľv	1
1422	CL DRA	15 56 36.000	+54 53 25•23		-0.0182 +0.10		2	5.21	2	5.25	2	K1P		92721	l '	ŧ
1423	8 IOT ARI	01 54 36.827	+17 34 27.51	1	+0.0025 -0.01		1.			1	١,		1	38750	V۶	1
1424	32 -L PER	03 18 05.008	+43 09 01.96	1	-0.0054 +0.00		2	4.99	2	5.06	2	A3V	1	41076	V	1
1425	46 PSI- 1 AUR	n6 21 02.880	+49 18 56.91	İ	-0.0001 -0.00		1_	6.920		1	١.	MOIAR		57548	D	
1426	4 OME AUR	04 55 51.444	+37 48 59 98	11	+0.0035 -0.10		2	5.00	2	5.01	2	AOV	1	173444	۷ ''v	-
1427	29 UW CMA		-24 27 58 78	1	-0.0008 -0.00		1	4.800		3.800	1	07F	1.	197149	Dν	-1
1428	10 FT CMA	06 42 34.183	-31 01 04.81		-0.0016 +0.000			l .	7		1	B3P	1	94332	b'	-
1429	104 -M TAU		+18 34 46.97		+0.0378 +0.01		1_		1_	1	ا ا	G4V		112734	V?	- 1
1430	25 0RI	05 22 08.980	+01 48 07.84		-0.0003 -0.000		12	4.76	2	3.83	2	B1V?PE	.1	248927	1 "	-1
1431	IOT RET	04 00 29.261	-61 13 06.50	`.	+0.0092 +0.09		1	6.380		8.080	1	GK4	1	56646	מ	-1
1432	40 -0 PER	03 39 11.977	+33 48 22.37		-0.0004 -0.00			4.940			١.	B0.5V	İ	215428	1 "	١
1433	NU PHE	01 12 55.906	-45 47 53.11		+0.0636 +0.19			5.540		5.640		F8V	1	183686	1	- 1
1434	42 LIB	15 37 19 173	3 - 23 39 25•48		-0.0013 -0.01		S	6.29	2	7.80	2	GK4		85941	1	-
1435	106 HER	18 18 10 896	+21 56 19 62	!	+0.0011 -0.05		2	6.54	12	8.54	2	GMO	1.	229092		ı
1436	DEL- 1 TEL	18 28 03.189	-45 57 02.61	1	-0.0007 -0.03		2	4.85	2			BEIV		143600	V2	ı
1437	39 KAP AQL	19 34 12.072	2 -07 08 24•73		+0.0000 -0.00		2	4.96	2	4.09	2	B0.5111			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- 1
1438	12 VUL	19 48 54.839	+22 28 53.99		+0.0015 -0.01	4.96	2	4.84	2	4.15	2	B3VE		87813		- 1
1439	15 LAM LYR	18 58 07.566	+32 04 28 02	ľ	+0.0008 +0.01		1			1	1	K3II	1	67682	1 .	ı
1440	17 VUL	20 04 44.396	+23 28 08.95		+0.0010 +0.00		1	1	Į	1	1	B3V		88212	1	۱
1441	20 PSI AND	23 43 32.879	+46 08 33.54	1	+0.0009 -0.00		1	6.100			-	G5IB	ł	53355	V?	- 1
1442	16 -C VIR	12 17 48.540	+03 35 27.07		-0.0196 -0.07	4 • 96	2	6.12	2	7.27	2	KIIII	l'	119341		- [
1443	35 Com	12 50 50-079	+21 30 58 99	1	-0.0034 -0.02	4 97		['			1_	G8III+F6	. [82550	D	- 1
1444	52 -L HYA	14 25 14.27	7 -29 16 04.77	1	-0.0019 -0.02		2	4.90	2	4.49	2	BBIV		182570	DV?	-
1445	R HYA	13 26 58.48	2 -23 01 24.51	1	-0.0041 +0.01	4.970		6,580		7.260		GM7E	1	181695	'',v	- [
1446	18 OME HYA	09 03 20.48	+05 17 35.72	1	-0.0012 -0.01		2	6.19	2	7.40	2	KSII-III	1	117420		1
1447	2 CYG		9 +29 31 20.47	1.	+0.0011 +0.01		2	4.88	2	4.16	2	BSIV	1	87159	1	-1
	21 ETA UMI		475 52 16.64	1.	-0.0232 +0.25		1					DAB	1	8470		- [
1448			2 +43 40 34.86		+0.0152 -0.05		l				1	A2M?	1	36950	1	
1449	41 AND COL			1	+0.0021 -0.02		12	6.08	10	i .		IGG8		196316	1	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

MILLADE	STAR	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	RA PM	DEC PM	1.200	V N		B N		U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
NUMBER	DESIGNATION		DEG INIV SEC	-	0 -0 025	4.97	一		Н			GRIII		79352		
1451	57 A GEM	07 20 25.700	+25 08 54 • 35		0 -0.025 3 -0.051	4.979	,	6.189	1	7.109	1	AOP		37735	ים	2
1452	57 GAM- 2 AND	02 00 49.967 04 17 09.476	1+42 05 31.33		9 -0.003	4.98	Ĩ.	7.7				GBIII		57171]	
1453	54 PER	07 31 30 073	-14 24 52.04		3 -0.000	4.98	2		2			M2IABEP+B	P 7	153072	V	
1454 1455	KQ PUP	07 50 26 354	+26 53 48 • 68		6 -0.034		2		2	5.18	2	A3V		79774 154515		
1456	6 HYA	กล 37 39 279	-12 17 51.03	-0.000		4.98	2	6.40	2			K4III F8V	1	94526		
1457	111 TAU	05 21 30.232	+17 20 19.58		2 -0.008	4.98		5.520 4.91	2	4.71	2	AOII-III		84152	٧?	
1456	14 TOT CRB	15 59 26.313	+29 59 23 42	-0.00		4.98 4.98	2	5.56	2	5.60	2	G2V+G2V		64673	D	51
1459	2 ETA CRB		+30 28 02.35		04 -0.191 74 -0.026	4.98	2		2		2	K3P	1	187445		1.5
1460	35 NU - 2 SGR	18 52 05.766	-22 44 08 19		2 +0.050	4.98	-	3.30	-			A4		A5957	٧?	1
1461	107 -T HER	18 19 03.898	+28 50 41.92 +14 02 42.77		4 -0.581		2	5.69	2	5.95	2	G5V	1	100582	1	İ
1462	70 VIR	23 16 21 644	-09 53 03.68		0 +0.003	4.98	2		2			AOV	1	146635	UV.	1
1463	95 PSI- 3 AQR 14 PEG	21 47 37.796	+29 56 26 28	+0.00	13 -0.024	4.98		4.930				AOV		213577		1
1464	UPS PSA	22 05 30 682	I-34 17 18·22		0.045	4.99	_	6.470	1	,	2	GM1 B2VE		107854		1
1466	31 PEG	22 19 03.314	+11 57 09 63		06 +0.012	4.99	2	4.89 4.990	2	4.08	-	08		50690		
1467	68 A CYG	21 16 35.131	+43 44 05.23	-0.00		4.99 4.99	2		2	5.10	2	A2P	1	69678		
1468	29 -B- 3 CYG	20 12 39.579	+36 39 07 85		54 +0 -071		2	4.86	2	4.35	2	B8		250940		
1469	L CAR	10 21 29.054	-66 38 53 57		40 -0.001	4.99	2		2	5.26	2	A2		118615	. ח	
1470	59 -C LEO	10 58 09.323	+06 22 13.55 +58 46 16.50	-0.00	57 +0.061	4.99	2		2	5.12	2	A1V	1	30949	ח	1
1471	39 -B DRA	18 23 10.013	+02 00 27.21		04 -0.017	4.99		4.920	1		١	B9V		123879	_ V?	1
1472	4 AQL 63 THE- 2 SCA	18 42 18.447	+04 08 07.70		31 +0.027	4.99		5.190				A5N		124070	D	
1473 1474	9 VuL	19 32 23.047	+19 39 46.38		05 +0.003	4.99	2	4.92	2	4.49	2	B7V		104990 68827	l b	1
1475	17 A CYG	19 44 31.601	+33 36 36 80		14 -0 - 445		2	5.45	2	5.45	2	F5V F8IAB		226619		1
1476	GAM- 1 NOR	16 13 15.670	-49 56 42 44		03 -0.005	1 :	2	6.06	2	6.30	-	G511		153993		1
1477	20 PUP	08 11 02.019	-15 38 10.95		14 -0.007	4.99	2	5.07	2	5.16	2	ASIII		26474	n	
1478	24 LYN	07 38 47.235	+58 49 47.02		47 -0.052 05 -0.013	4.99	2	6.00	2	6.78	2	GBIII	-	115425	1.	1
1479	2 EPS CMI	07 22 54.913	+09 22 34 68		30 -0.058	4.99	-	5.100				A6V	1	79427	1	1
1480	64 -B- 1 GEM	07 26 13.626	+28 13 22.79 -64 16 10.53		32 +0.016	4.99	2	5.12	2	5.27	2	A5V	1	248701	1	1
1481	BET HOR	02 57 50 776	+68 26 26 88		20 -0.008	4.99		4.900				B8	1	12038	V?	1
1482	46 OME CAS	01 16 55.101	+57 58 10.08		00 +0+003	4.99	2	5.67	2	6.16	15	FOIA		22191 36602	V2	
1484	20 PI CAS	00 40 41.422	+46 45 05.30		21 -0.029	4.90				L		A5 F6V	1	248346	D	15
1485	KAP- 2 TUC	01 14 04.616	-69 08 28 63		58 +0 - 112		2	5.466	12	5.496	12	A7		54493	"	4
1486	82 -6 PSC	n1 08 20.886	+31 09 33-62		09 -0.009			4.890	d		1	B9		21729	V?	
1487	25 NU CAS		+50 41 45.47		36 -0.001		1,			4,240	1	B5		194467	1	
1488	DEL FOR	03 40 15.499	-32 05 49.36		04 +0.017 74 -0.026		1		1	'-		GBIII		60010	D .	1
1489	65 AUR	1 07 18 42.35	+36 51 23.47 -13 58 38.75		05 +0.002		2	6.18	2			G5+A2	1.	152123	D _U	
1490	18 MU CMA		7 -04 09 54.91		11 -0.001		2		2	3.87	2	B1V	-	134106	. ۲۶	1
1491	19 MON 109 -N TAU		+ +22 02 47.81		08 -0.081	5.00	١.			1		GBIII	ı	77097 112697	D	
1492 1493	23 -M ORI	05 20 12.17	71+03 29 52•42		05 -0.001		2		2		2	B1V F0V		25019	D	. [
1494	9 AUR	05 02 45.29	+ +51 32 01 - 11		30 -0.172		2		2		2	A2P?		25450	"	
1495		05 50 39.21	51+55 41 52•55		14 +0 • 022		2		2		15	DF7	1	225703		
1496	NU - 1 LUP	15 18 38.61	-47 44 50 48		35 -0 -139		1-	13.30	-	1		K4III		8207		1
1497	11 GAM- 1 UMI		+72 00 19.07		03 +0.009		-	5.040	7			B3V	1	124903	DV	
1498		1	7 +05 16 56 88		14 +0.031		2				2	VEA	1	105298	1 º	-
1499 1500		19 46 45.41	5 +19 00 55.53 2 +52 51 37.60		15 -0.066		1		1	1	I	KSIII	i	32042	\ \strace{2}{2}	i

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

IUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA DEC	VISUAL MAG,	N N	BLUE MAG.	B N	IJV MAG.	N	SPECTRAL CLASS	5 1)	SAO CAT-MO-	STAR PROP.	
1501	17 LYR	19 05 32,035	+32 25 18.11		+0.0100 +0.023	5.00						DA7	I.	67835	ט	L
1502	56 UMA		+43 45 26.32	1	-0.0033 -0.013	5.00	2	5.98	2	6.78	2	GBIT		43719		1
1503	67 UMA		+43 19 22.85		-0.0297 +0.070	5.00		100		11		A M		44002		1
1504	10 LEO		+07 03 39.18	l	-0.0041 -0.002	5.00	2	6.05	2	6.92	2	Killi	1	117807	٧?	1
1505	R LEO		+11 39 41.87	1	+0.0001 -0.046	5.0						GMBF		98769	٧	İ
	R APS		-76 27 40.64		-0.0201 -0.015	5.0						GMO		257212	V	1
1506			+36 03 57.55		-0.0027 +0.017	5.00		4.920	. `			B9V	1	63338	٧.۶	١
1507			-54 51 54.91	1	-0.0085 -0.021		2		2	8.54	2	GM3		239838	ח	1
1506			+27 06 08 63	1	-0.0005 -0.015	5.00	2	5.08	2	5.21	2	A4V	l	92314		1
1509	16 COM		+40 11 17.55		-0.0005 +0.017	5.00	-	3.03	Ι-	7.0	Γ.	A4	1	51101	ļ	1
1510	74 CYG		-14 29 54.40	1	+0.0037 -0.034	5.00		5.240			1	A5	1	165818		1
1511	1U2 OME- 1 AGR			1	+0.0142 -0.065	5.00	2		2	5.14	2	A2		255609		1
1512	ETA TUC		-64 34 33 31	I	+0.0008 +0.004	5.000		4.840			lī	BAIII			n	
1513	ZET SCL		-29 59 57 06	liv.	-0.0014 -0.023	5.004		4.978		4.064	_	B2V	1	159693	פעם	ı
1514	8 BLT- 2 SCO		-19 40 00.07	1	+0.0021 -0.003		2		ż		2	MEIII	1	46108	v	ŀ
1515	30 -G HER		+41 59 26 71	1			2		2		2	BOIV		17107		١
1516	15 A DRA		+68 52 34 82		-0.0058 +0.034	5.01	2	5.05	5	4.04	٦	AZITIN		213292	ם	
1517	10 THE PSA		-31 07 50 65		-0.0018 +0.001	5.01	-	4.880	٦		l	B5V		32085		1
1518	23 CYG		+57 23 30 98		+0.0006 +0.015	5.01	1	7.000			1	B5V	1	88945		ı
1519	28 VuL		+23 56 22 38		+0.0007 +0.001	5.01	2	4.82	2		•	B3		237107		. [
1520	L VEL		-51 01 56 19		-0.0016 -0.017 -0.0268 -0.076	5.01	٦	7.05	٦,	i .		KZIII		15261	V?:	1
1521	36 UMA		+65 58 44-21			5.01		5.050				AZV		g149n		1
1522	41 LMI		+23 27 02.52		-0.0085 +0.004 -0.0040 +0.113	5.01	١,	6.62	2	8.47	2	GM3		249469	V2	1
1523	ETA- 2 DOR		-65 34 39-16		+0.0064 -0.001		2	6.47	2	0.77	۱	M2III		217164	V2	ļ
1524	ETA- 2 PIC		-49 38 41.40		+0.0004 +0.017	5.01	2	6.34	2	7.72	2	CG7		220138		١
1525	C VEL		-49 46 16 11 -73 52 19 85		-0.0191 +0.013	5.01	2	6.10	2	7.14	2	KOIII	1	255880		1
1526	KAP HYI		+25 42 15.50		+0.0056 -0.034	5.01	-	""	-		Ι-	F2III	1	75171		ł
1527	14 ARI		+47 09 01.73		-0.0058 -0.003	5.02					1	A1		37948	i	١
1526	62 -C AND		-45 07 15.27		+0.0003 +0.014	5.02			1			AZ		220540		1
1529	T T T T T T T T T T T T T T T T T T T				+0.0012 +0.003	5.02	l			200	l	B31V		13973		-
1530	42 CAM	06 45 44 874			-0.0021 -0.132	5.02	2	6.29	2	7.64	2	K3111		41380		-
1531	58 PSI - 7 AUR		+41 50 32-27		+0.0001 -0.008	5.02	-	1 0.2	-	'•'	-	KATTI		57981	ס	-
1532	21 SIG AUR	US 21 13.000 U6 05 48.671	+37 20 26.65	1	-0.0003 +0.000	5.02	2	4.91	2		1.	В9		196514		ı
1533	THE COL		+44 34 29 10		-0.0041 -0.029	5.02	5	6.50	2	8.33	2	K5111		41288		
1534	55 PSI- 4 AUR	10 30 50.030			-0.0014 +0.000	5.02	2	6.06	2	0.00	_	KATTI	1	222136	D	
1535	-T VEL				-0.0034 -0.031	5.02	2	4.90	2	4.46	2	ASI		120339	DV	
1536	CU VIR				+0.0215 +0.021	5.02	2	5.76	2	5.95	2	GSIV	1	126059	D	1
1537	7 KAP DEL		+09 54 31.97		+0.0090 -0.027	5.02	2	6.60	2	8.15	2	MEIII	1	257896		1
1536	OMI PAV	21 08 41.303	-70 19 55.94 +43 02 46.84		+0.0098 +0.033	5.02	-	"""	1-	0.13		GMO		52436	n:	-
1539	15 LAC	22 49 46.387			+0.0006 -0.010	5.02	2	6.61	2	8.52	2	KSIII		45580	'	ļ
1540	52 NU - 1 B00	15 29 07.882			-0.0019 -0.012	5.02	2	5.09	2	5.20	2	A3	ļ	45590	۱ ۵	
1541	53 NU - 2 B00	15 29 59.475			+0.0014 -0.083	5.02	2	5.21	2	5.30	2	A7	1	48011	D	
1542	16 LYR	19 00 01.391			+0.0014 -0.000	5.03	1	J•2*	-	1.55	ľ	B9111		245834	-	١
1543	LAM TEL		-53 00 22.78		-0.0008 -0.015	5.03					1	GSII		162413		١
1544	43 -D SGR		-19 02 37 10			5.03	2	5.26	2			DA5		188101	0	ı
1545	47 CHI- 1 SGR		-24 36 26.63		+0.0041 -0.054		2	5.02	2	1	1	B3V		183895	l -	1
1546	45 LAM LIB		-20 01 08.70		-0.0008 -0.027	5.03		6.58		0 110	2	K411-111	1	102725	1	1
1547	-E 0pH		+10 55 02.22		+0.0003 -0.092	5.03	2		2	8.48	2	K2III		146210		
1548	63 KAP AQR		-04 29 11.39		-0.0047 -0.114	5.03	14	6.17	15	7,33	15	GM2	1	108878	1	1
1549	81 PHI PEG		+18 50 33.39		-0.0003 -0.030	5.03	1.			1	1	\$2F5	1	254835	V?	
1550	RHO PAV	20 33 24.831	-61 42 13.15	1	+0.0084 -0.065	5.03	ı	[1	4	1	₩.ro		1		1

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TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM		V N		B N	1	N	SPECTRAL CLASS	S N	SAN CAT.NO.	STAR PROP.	G N
		25 1 #2 051	+33 54 27.90	\Box	-0.0002	-0.010	5-03	2		2		2	ASIII	1	57906	۸5	Ì
1551	19 AUR	05 10 42.951	+49 54 50 23		+0.0024		5.03	2		2		2	R5V		38714		ì
1552	31 PER	03 15 33.377	+12 56 18.33		+0.0074		5.03	2	5.26	2	5.38	5	A6N	1	93960		ļ
1553	79 -B TAU	04 26 01.921	+22 24 39.37	1 1	+0.0013		5.03		5.140				A . M .	l	75146	1	
1554	12 KAP ARI	02 03 43.000	+54 14 49.01		+0.0040		5.04	2		2	4.64	2	B8V		232520		ĺ
1555	4 -G PER	01 58 57.336	-53 46 20 62	1 1	+0.0150		5.04	2	5.08	2			AO				1
1556	-0- 2 ERI	01 44 12.016	+44 07 57.43	1 1	-0.0020		5.04	1					GBII		37406		
1557	52 CHI AND	01 36 20.303	+45 47 38.93		+0.0006		5.04	2	5.44	2		2	F2II		36123 95476	l p	
1558	22 AND	00 07 42.744	+12 17 16.13		+0.0055		5.04	2		2	5,44	2	F5IV-V	1	77360	1 "	1
1559	74 -K ORI	Un 13 30 073	+25 52 15.39	1 1	+0.0015		5.04		4.870			I. I	B2V	ı	1	i .	1
1560	125 TAU	05 56 (1 802	-09 33 37.00		+0.0007		5.04	2		2	5.39	2	д м		132715]	
1561	2 MON	07 03 38.664	-14 26 27.59		-0.0014	+0.003	5.04	2	5.37	2	5.46	2	A6N	1		D	1
7265	4 PUP	07 00 17 854	+42 29 18 86		+0.0048		5.04		5.170	1			A2		52623	0	
1563	2 AND	23 00 17 034	+31 02 57 • 19		+0.0040		5.04	1		1			Kulli		128374	ν	1
1564	72 PEG	23 31 20:032	+03 12 33.74		-0.0024		5.04	2	7.65	2	11.15	2	C6-2		160046	I *	136
1565	19 TX PSC	14 38 40.639	-17 38 49.50		-0.0016	-0.004	5.04						GSII	1	66648	٥	1.7
1566	24 500	10 05 07 529	+30 33 12.96	lc i	-0.0075	+0.071	5.04	2	5.56	2	5.46	2	F7V	1	83084	V?	1
1567	99 -B HER	18 03 01.329	+27 44 11.48		+0.0020		5.04	l	1	1			KSIII	1	63000	\ *	1
1568	9 800	10 03 03 34 345	+39 17 44.80		-0.0070		5.04				1		GBIII-IV		157788		
1569	E CVN	12 23 23.575	-15 55 45 72	1	+0.0065		5 • 04	2	5.50	2		2	F6IV				1
1570	53 VIR	13 09 23 330	-76 14 28 66		-0.0211	+0.044	5.04	2	6.53	2	8.31	2	GK3		256899	1	1
1571	KAP CHA	10 56 40.348	+40 41 51.77		-0.0281		5.05	2	5.66	2	5.79	2	GOV	1	43557 155388	1 .	. 1
1572	47 UMA	10 35 40.340	-14 06 16 63	1		-0.024	5.05	2	4.90	2	4.32	2	B5V	1	137199	D	
1573	38 KAP HYA	09 50 01.878	-07 52 07.35			-0.045	5.05	2	5.09	2	5,15	2	A2	1	257041	1 "	1
1574	8 GAM SEX	1 3 21 07-877	-74 37 32.17	•		-0.133	5.05	5	6.16	2	7.17	2	GKO		17526		1.
1575	10T- 1 MUS	17 32 09-547	+68 10 01.19		-0.0031	+0 - 134	5.05	2	6,13	2	7.05	2	KOIII		66943		
1576	27 -F DRA	10 22 34 868	+39 28 43 85	, l	-0.0019	-0.007	5.05		5.080		1	1	ASIII		246055	1	
1577	2 MU LYR	10 22 54.000	-54 31 07.68	1		-0.069	5.05	2	5.07	2	1		AO	1	128126	1	1
1578	ETA TEL		+05 06 29.24	٠ I ،	+0.0054	-0.056	5.05	2	6.25	2	7,37	2	K2TII	1	163141	1	ŀ
1579	7 -B PSC	10 55 06.936	-15 37 32.32	2	+0.0009	-0.098	5.05	1	1 .			١.	AZIV		34149		
1586	61 -6 SGR		+59 10 02.66	5	+0.0001	-0.006	5.05	2		2	4,55	2	06F	-	133290		1
1581	22 LAM CEP	25 25 29.351	-04 43 47.0	5	-0.0007	-0.000	5.05	2		2	4.10	2	B2V		195239		-
1582	10 MON		-37 14 27 5	2		+0-194	5.05	2	5.42	2		1	FRV	1	55347	ם	1
1583	BET CAE		+30 04 10 9	5		-0.059	5.05	•	1	. '	_		GSIII		185198	ď	10
1584	6 IOT TRI		-26 31 47.2	3	-0.0369	-1-132	5.053	1 2	5.913	1 2	6.403	2	KOV	i	84651	1 "	1
1585	36 A- 1 OPH		+24 44 21.2	i l	+0.000	+0.005	5.06						KSII-III		120946	0	1
1586	51 HER	15 16 45 43	+01 57 11.9	3	+0.024	7 -0.518	5.06	2	5.60	2	5.66	2	F8IV-V		104691	1 "	
1587	5 SCP	15 15 45 40	+11 30 13.9	3		+0.016	5.06			1			A3		187498	1	1
1588	25 OME- 1 AGL		3 -20 43 24.4	الم		1-0-007	5.06	1		1.		1	Ani?		162915		ı
1589	36 XI - 1 SGR		7 -16 14 33.9	5 l		-0.010	5.06	2	5.39	2		1	FOII		162964	1	-
1590	55 E SGR		3 -19 52 58.5	3	-0.009	3 -0.087	5.06					1	KITTI		31119	٧?	
1591	56 F SGR		9 +55 29 17.6	2	-0.000	9 +0.024	5.06	1					AOST		67310	l p	
1592	46 +C DRA		3 +39 37 00 • 0	9		1 +0 • 059	5.06		1	1_	1	٦	A2	1 .	130355	ا م	
1593	4 EPS- 1A LYR		6 -01 22 54.8	4	+0.012	9 -0.063	5.06	2			5.75	2	F8V		57709	Ďν	
1594	94 CET		2 +32 37 54.2	5		9 +0 -014		1	5.26				A9V	1 .	249461		
1595	14 KW AUR		3 -68 49 58-3	вl		3 +0.019	5.06	2	4.98	2	4.77	2	B8V		79328	D	1.
1596			9 +20 32 22.7	8	-0.004	6 -0.030	5.06	1		1.	1		GMO	1	197427	1	
1597			5 -34 02 33.4	8		7 +0.014		2	4.90	2			B5	.	10216		
1598	-T PUP		3 +72 56 30 3	7		2 -0 - 154	5.06	1	1		1	-	F5V		146612	V	
1599		23 14 15.45	1 -07 59 58.3			3 -0.011		2	6.66	2	8.26	2	GM5	1	140012	1 '	1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N	1)V	N	SPECTRAL CLASS	ζ.	SAN C/T.NO.	STAR PROP.	G N
1601	77 PEG	23 40 49.519	+10 n3 13.86	T	+0.0004	+0.017	5.06	2	6.74	2	8.77	2	GM2		108799	٧?	Γ
1602	K CEN	13 26 20.569		١.	-0.0001	-0.021		2	5.13	2		* -	A2		2408R3		1
1602	EPS APS	14 16 13.098			-0.0065		5.06		4.96	2	4.40	2	B3V		257142	1	1
1604	21 MU DRA		+54 32 07.94	1	-0.0091		5.062	-					DF6+DF6		30239	r,	6
1605	7 ZET- 2 CRB		+36 47 49.58		-0.0014		5.07		4.950			ļ.	B7V		64834	ח	5
1605	4 CQ DRA		+69 28 40 - 78		-0.0117		5.07		6.68	7			GM4		15816	٧.	1
			+70 17 49.65	1	-0.0068		5.07					l .	GK2		7600	1	1
1607	_		+33 46 27.52		-0.0088		5.07						KITT		62314		1
1608			+25 41 20 .87		+0.0006		5.07		4.890			1	B3V	. :	90075	1	1
1609			+17 47 24.19		+0.0004		5.07	1					GM0		97120	V۶	1
1610			+15 30 56.32		+0.0039		5.07						A3		98247		
1611	62 OMI- 1 CNC		-45 03 36.59		+0.0003		5.07	2	4.88	2		1	B3V	-	216850	ļ	
1612	DEL CAE P ERI		-56 26 52.43		+0.0337		5.07	2	5.95	2			KOV		232490	9	1
1613			-75 11 43.48		+0.0356		5.070		6.340		8,120	1	MITTI		255710	1 .	
1614	LAM HYI		+12 14 11.49		+0.0082		5.08	-	5.30	7		ļ .	ATTV		93083	V	1
1615	38 UV ARI		+16 14 43.74		+0.0010		5.09				1.0		MAIII	1	96638	V	1
1616	51 BQ GEM 43 THE- 2 ORI		-05 26 50 72		-0.0003		5.03	2	4.97	2	4.03	2	09.5VP		132321	DV3	
1617			-13 47 16.98		+0.0212		5.08	2	5.45	2	1.00	Ι.	FOV		164713	1	1
1618	51 MU CAP	21 30 34.303	+19 50 47.52		+0.0020		5.08	-	7.77	-	1	1	KZIII		105659		1
1619	16 ETA SGE		+43 52 12 60		+0.0113		5.08						A4M2		50121		1
1620	56 CYG		+62 00 29.34		+0.0013		5.08						MIIII		20614		
1621	4 CAS	23 22 30 330	-13 43 52.31	1	+0.0202		5.08	2	5.88	2		1	G51V-V		165625	ס	1
1622	94 A AGR	23 10 20 540	170 00 51 70		-0.0064		5.08	2	5.32	2	5.49	2	FOM		62354		1
1623	49 UMA	10 58 02.642	+39 28 51.78		-0.0009		5.08	2		2	3.77	-	KATII		178979	n	1
1624	44 HYA		+07 12 42 41		-0.0072		5.08	2		2	6.65	2	GBII-III		118376	1	1
1625	48 L20		-45 29 55.44		-0.0030		5.08	2		2		-	B7		221523	n i	1
1626	-U VEL		+15 10 38.40		-0.005B		5.08	-	5.130			l:	A2V		100012		1
1627	5 RHO = 3 OPH		-23 20 01.41		+0.0002		5.088	2	5.308		4.758	2	BSIV		194382	D	1.
1626	3,		-54 30 11.60		+0.0002		5.09	l ⁻		-		1	GHIII	l	243454	D -	1
1629	KAP NOR				-0.0009		5.09	2	6.22	2	7.15	2	CG6	ŀ	253342		1
1630	KAP TRA	15 50 31.428	+02 00 51.98		-0.0058		5.09	-	0.22	-	'••	1	A5		121020	1	1.
1631	10 SCP		-60 46 24 98		-0.0017		5.09	2	5.03	2	4.12	2	090		253084	ים	1
1632	DEL CIR		+76 58 15.03		+0.0105		5.09	[-	3.03	-		-	F6IV-V	l ·	8939		
1633			-18 30 18.07		-0.0222		5.09	2	5.51	2	5.45	2	FSIV		156646		
1634	13 LAM CRT		-09 18 47 02		+0.0012		5.09	ΙŽ	6.20	2	7.14	2	GBTI-III	1.	145637		1
1635	46 -C- 1 CAP		+41 45 24.75		+0.0015		5.09	1	4.910		1		B5V		40269		
1636	20 RHO AUR 27 -P ORI		-00 56 16 14		-0.0007		5.09	2		2	6.73	2	KOIII	1.	132070	ľ	
1637			-74 44 12.46		+0.0310		5.09	2	5.81	2	6.14	2	G5V		256274	1	
1638	and the second of the second o		+28 03 47.31		+0.0003		5.09	1	5.060			j .	B9.5V	1	78524		
1639 1640	49 AUR 77 XI CNC		+22 14 55.95		+0.0002		5.09	1			1	1	KOIII	1	80666	1	
	F VEL		-52 55 20 63		-0.0078			2	5.34	2		1	DF3		236002	1	. [-
1641 1642	N PUP		-43 58 27 87		-0.0002		5.09	2	4.92	2		1	B3	1	219197	D	
		03 46 12.391			+0.0010		5.09	2	5.01	2	4.73	2	88P	1	76229	V	
1643	28 BU TAU 36 A- 2 OPH		-26 31 52.28		-0.0345		5.093		5.953		6.443	2	K1V	1	185199	D	10
1644			+20 49 55 57		+0.0003		5.10	1	5.000		'-		B3V		85672	1	
1645	96 HER		+10 17 21.17		+0.0162		5.10	1.		1		1	F8V		1n5338	ס	
1646	54 OMI AGL		-05 30 38 65		+0.0075		5.10	1		1		1	G8111-1V		143286		1
1647	26 -F AQL		+32 56 22.93		-0.0023		5.10	1	5.180	1	1	1	A2V		56727		1
1648	42 -N PER				+0.0004		5.10	ľ	1	1	1		K2III	1	93950	V?	
1649	75 TAU		+16 14 58 50		-0.0001		5.10	1	5.090	1	1	1	A SI		56031	V	
1650	21 LT PER	1 05 24 T4 . \TP	+31 44 03.08	, l	1 -0.0001	1-0.052	7.440	i.	1 2.0.0	1	1 .	1		E.		I .	1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RI. ASCEN. HR MN SEC	DECLINA DEG MN		P N	RA PM	DEC PM	VISUAL MAG.	ИА	BLUE MAG•	В	UV MAG.) 2	SPECTRAL CLASS	5 N	SAO CAT.NO.	STAR PROP.	GN
1651	27 RHO AND	00 18 28.790	+37 41	30.68		+0.0051	-0.034	5.10						FSIV		c3828		
1652	F VEL	0E 48 51.592			. 1	-0.0006	-0.003	5.10	2	4.89	2	3.91	2	BOIII	1	220561	,	1
1653	L- 2 PuP	07 12 00.687	-44 33	26.39		+0.0098	+0.330	5.100	1	6.660	1	7.950	1	GM5E	1	218549	DΛ	12
1654	∠6 GEM	06 39 29.620	+17 41	45.37		+0.0004	-0.089	5.10		5.160		100	l	A2V		96015	1	1
1655	EPS OCT	22 14 32.560	-80 41	24.35		+0.0199	~0.039	5.10	2		5	7.66	2	METIT	1	258928	V	
165b	MU - 2 GKU	22 13 26.498				-0.0006	-0.009		2	6.02	2			GG5		231063	_	
1657	IOT MIC	20 45 06,202	-44 10	20.19		+0.0173	-0.104	5.10	2	5.45	2			F1V	1	230379	D	1
1658	32 VUL	20 52 25.638	+27 51	59.34		-0.0002	+0.002	5.10	ŀ		1		1	KATIT		99272	۸5	1
1659	15 UPS CAP	20 37 12.309	-18 18	57.79			-0.018	5.10		6.740	١.			MSIII		163779	l·	1
1660	30 BET SEX	10 27 44.099	-00 22	47.84		-0.0028		5.10	2	4.96	2	4.43	2	B6V		137608	1 .	8
1661	15 LMI	09 45 22.443	+46 15	18.13		+0.0216		5.10	2	5.72	2	5.8r	2	G1V		97645	Ь	2
1662	16 ZET- 1 CNC	08 09 20 753			L		-0.139	5.102			_		1	FRV+G0		174932	1 "	"
1663	12 PUP	07 56 56 986				-0.0012		5.11	2	6.23	2		l	CK2 AOIV	1	97542		
1664	8 CNC	08 02 17.441				-0.0024		5.11	٦	5.110	,	. 20	1	B3V	1	197837	1	1
1065	UPS- 2 PUP	07 16 51.454				-0.0007		5.11	2	4.95 5.160	2	4.28	2	A1V		97016		1
1666	68 GEM	07 30 45.308				-0.0013		5.11 5.11	2	4.97	2	4.48	2	B5	1	249368	V?	
1667	EPS DUR	05 49 56 616				-0.0026		5.11	2	5.32	2	5.44	2	DA5	1	94164	V	l
1668	97 -I TAU	04 48 26.754				+0.0058		5.11	2	5.05	2	4.91	2	ÃÔ	l.	215697		
1669	PHI PHE	01 52 17.583				-0.0034		5.11	2	5.45	2	7.71	-	DF2	1	232981	1	1
1670	MU HOR	03 02 25.945				-0.0093		5.11	2	6.81	2	8.83	2	GM3		131315	V?	-
1671	47 ERI	04 31 46.974				-0.0007		5.11	٦	5.080	-	10.00		B9.5V	i	93463		1
1672	4 -S TAU	03 27 40.267 03 51 44.547				+0.0027			2	4.98	2			BEIV		194608	1	1
1673	SIG E _n I	09 35 25.737				-0.0168		5.11	2	4.97	Ž	4.40	2	BSIV	1	258538		1
1674	ZET CHA	09 24 40 297				-0.0011		5.11	2	5.00	2			85N	1 .	236972		ı
1675	J VEL	11 46 13.287	26 28	17.95		-0.0025		5.11	l "-	6.69	Ī.		Į .	MATIT	1	180208	٧	1
1676	1I HYA	13 06 21.343				-0.0017		5,11	l		1		1	GK1		191410		1.
1677	45 PSI HYA 89 VIR	13 47 08.966	17 53	09.12		-0.0071		5.11	1		1		1	KITII		158186		
1678		20 27 02.213	1 -03 03	11.13		+0.0046		5.11	1	1000	I:		1	K2III		144495		1
1679	69 AQL 19 CEP	22 03 36.232	+62 02	10.44	١.	+0.0001		5.11	2	5.19	2	4.36	2	09.5IB		19849	ח	1
1680 1681	57 GZ PEG	23 06 59.919				+0.0002		5.11	2	6.58	2	7.58	2	M4TIIAS	7	128001	DV .	1
1682	PI PSA	23 00 44.085				+0.0058		5.11		5.410	1			FOIV		214275	. V	1
1683	GAM- 1 OCT	23 49 14.400	-82 17	48.57		-0.0198		5.11	2	6.03	2	6.63	2	G7III	1 -	258989		1
1684	29 P5C	23 59 15.615	-03 18	20.81		+0.0009		5.11	2	4.99	2	4.48	2	Balli	1	147041	V?	
1685	6 BLT- 2 CYG	19 28 44 302				-0.0008		5.11	2	5.01	2	4.69	2	B8V		97302	D	
1686	30 DRA	17 47 52.511				-0.0058		5.11	1		1			A2	1	30591	1	1
1687	36 -B 5CP	15 48 39.134				-0.0060		5.11	2	5.23	2	5.30	2	A2	1	140801		1
1686	13 DEL- 1 SCP	15 32 24 63				-0.0051	-0.007	5.114		5.374		5,494		DFO		101623	U	14
1689	5 -R HER	15 58 59.371				-0.0036			2	6.10	2	6.84	2	KOIII		101879		ļ
1690	98 HER	18 03 55.446			İ	-0.0008		5.12				1	1	GM2	1	85725		
1691	4 CYG	19 24 20.98				+0.0001		5.12		5.010	1		1	ASI		68301	V?	
1692	53 DRA	19 10 43.809			1	+0.0041		5.12	1			1.		GRIII		31468	V.	1.
1693	54 DRA	19 13 01.631]	-0.0020		5.12			1.		1.	KOIII	ŀ	52317	ס	
1694	13 LAC	22 41 51.369				-0.0008		5.12	1		1			KSIII		108580	n	
1695	66 PEG	23 20 33.11				+0.0018		5.12	-	6.5	1			F8V		254846	1	1
1690	PHI- 2 PAV	20 35 55.079				+0.0421		5.12	5	5.65	2	7	7	GM6	1	246389	l v	1
1697	NU PAV	19 57 32.63				+0.0021		5.12		6.67	1'	7.67	1'			88391	'	1
1698	21 VUL	20 12 11.16			1	+0.0009		5.12			1			K3III	1	117751	ח	1
1699 1700	6 -H LEO	09 29 16.85			1	-0.0003		5.12	2	5.19	2	5.30	2	A2		111791	ő	
	66 -R TAU	04 21 08.09	11100 111	112 10		. =n nn19	I MAIL A DICTOR	1 3412	. /									

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N		B N	MVG.	Ŋ	SPECTRAL CLASS	5 N	CAT-NO.	PROP.	G N
		00 11 54.170	-08 03 31.02	+0.0037	+0.008	5.12	2	6.74	2	8.55	2	MOTTI	7	128655	עמ	
1701	AD CET	00 46 20.792	+16 40 15.74	-0.0001		5.12	·				ll	FBV		92099	1	1
1702	64 PSC ORI	nu 52 00.305	+11 20 45.39	-0.0010	+0.021	5.12						A3		131813		
1703		ns no 14.847	-04 31 10.68	+0.0026		5.12	2	5.56	2	5.51	2	F5V		58051		1
1704	68 ERI 24 PHI AUR	05 24 19.833	+34 26 06 82	-0.0002	-0.047	5.12			ll			K3P		134899	פ	
1705		07 34 47.496	-03 59 52 - 74	-0.0049		5.12	2	5.56	2.	5.68	2	FSIII		41738	3	1
1706 1707	25 MON 66 AUR	07 20 40.918	+40 46 14 17	-0.0005	-0.027	5.13						KOIII		94051		1
1706	91 516- 1 TAU	nu 36 17.709	+15 42 10.83	+0.0027	-0.071	5-13	_	5.280			1 1	A M		167096	ם	
1709	48 CET	01 27 12.209	-21 53 14.62	+0.0038			2	5.15	2		12	DF2		129193	DV?	1
1710	37 CET	01 11 52.826	-08 11 27.96	+0.0082		5.13	2	5.59	2		2	GOTA		239145	ΰV	1
1711	OMI- 1 CEN	11 29 26.836	- 59 09 57•55		-0.009	5.13	2	6.21	2	6.98	۲	KOIII	ļ.,	15567	"	
1712	2 DRA	11 33 08 295	+69 36 04 • 56		-0.130	5.13		5.36	2			BOIA	i	251286		1
1713	-Z- 2 CAR	11 06 28.544	-61 40 33-27		+0.007	5.13	5					KSIII	i	191093		1
1714	47 AUR	22 18 50 606	-21 50 58.35		-0.082	5.13	5	6.200	2	8.01	2	GOTAP		35039	. v	
1715	V 509 CAS	22 57 58 197	+56 40 37.16		+0.011	5.13	[]	0.00	١٤	0.01		ATIII	1 -	P5648	0	
1716	95 A HER	17 59 23.050	+21 35 40 48		+0.034	5.13		110	1		1	A1V	1	210501	ן יי	1
1717	LAM CRA	18 40 21.169	-38 22 24 69		-0.056	5 · 13		٠.			1	GKO		186437	ח	1
1718	11 5GR	18 08 40.200	-23 42 47.18		-0.020	5.14	2	5.45	2	5.45	2	F2V	1	9341		1
1719	59 DRA	19 11 01.096	+76 28 42.03		-0.121	5.14	1	5.200			Ī-	A3V	1	67446	ח	1
1720	9 NU - 2 LYR	18 48 00.801	+32 29 31 • 74		+0.035	5.14	2		2			KIIII-IV		254423	1	1
1721	OME PAV	18 54 10 1/9	-60 16 07 • 74		+0.009	5.14	1		1		1	KSIII		8274	1	1
1722	15 THE UMI	15 32 51 2/1	+77 30 59 57		+0.066	5.14	1		1			KITTI	1	248087	1	1
1723	PI PHE	23 56 20 114	-53 01 30 · 51 +64 39 33 · 93		+0.007	5.14	1	5.120				B3VE		19313	1	1
1724	6 CEP	21 18 20.002	-59 14 22.23		-0.002	5.14	2	5.63	2	5.52	2	AZIA	1	239146		1
1725	OMI- 5 CEN	20 50 37 760	+41 17 40.83		-0.029	5.14	2	5.60	2	5.60	2	F5V		43115		1
1726	19 LMI	09 54 57 156	-44 57 12.68		-0.041	5.14	2	6.63	2	8.45	2	GK5	i	215739		1
1727	CHI PHE	35 57-858	+52 58 56 11		-0.012	5.14			1			KOIII		24743	D .	.
1728		03 19 52.271	+20 33 52 25		-0.020	5.14			1.	1		KSIII		75899	1	1
1729 1730	63 ARI PHI FOR	02 25 54.739	-34 02 03.17	+0.0011	+0.010	5-14	2	5.24	12			AZIV	1	131777	יייט אַ	
1731	66 ERI	05 04 17.220	-04 43 13.98	+0.000	+0.009	5.14	2	5.08	12	4.90	2	69	1	233981	1	
1732	LAM DOR	05 25 35.249	-58 57 15.52	-0.001	7 +0 - 027	5.14	2	6.14	2		1	G5		25161	1	
1733	16 CAM	05 19 10.611	1 +57 29 54-11		-0.055	5-14			1		1	A0 GM0		60340	כו	
1734	80 PI GEM	07 44 17.114	+ +33 32 24 61	-0.0012	2 -0.031	5.14	1				1	B7IV	1	13986	"	
1735	43 CAM	06 48 19.454	+ +68 56 58•72		+0.006	5.14	1	5.03	١,	4.54	2	B8	1	116043		
1736	13 ZET CMI	07 49 06.39	5 +01 53 45•19		-0.005	5.14	2	5.03	2	5.55	2	F6V		80104	1	
1737	18 CHI CNC	08 17 01.80	7 +27 22 52.07		2 -0.382	5.14	12	3.01	٦	13.33		G811-111		80511	1 .	.
1738	58 RHO- 2 CNC	I DA 52 40.20	3 +28 07 10 -72		9 -0.037	5.15						KIIII	1	41346	1 .	
1739	57 PSI - 6 AUR	06 43 50.99	6 +48 50 40 75		2 +0.007	5.15	1	5.040	1		- [BBIII		95166	V?	
1740	64 ORI		2 +19 41 35.74		0.018	5.15		4.970				B2V		94864	D	
1741	133 TAU	05 44 52.69	8 +13 52 59 18		9 - 0.014 1 - 0.023	5.15	2	5.09	2	4.53	2	B3V		23944	1	- [
1742	29 PER	03 15 03.35	0 +50 02 26 47		5 -0.029	5.15	2		2		2	KZIII	1	139613		
1743	90 -P VIR		5 -01 15 28.42		0 -0.023	5.15	2		2		1	AO	1	204835	ם	1
1744	-Z CEN		7 -36 00 08.70		4 +0.015	5.15	1	1				AO .	1:	44556	V?	
1745		13 16 07.09	6 +49 56 40.38		6 +0.002	5.15	· F	1	I			KSIII	1	100252	1_	
1746	27 COM		7 +16 51 00.91		8 -0.013	5.15	2	5.34	2	5.51	2	A5M		251866	י סי	
1747			6 -67 14 40.99		1 -0.012				2	6.90	2	GZIB	1	88416		. [.
1748			8 +23 21 17:26		0 -0.024		2	5.09	2	4.81	2	BeV		254854	V?	- 1
1749	UPS PAV	20 31 23.40	5 -66 56 20.65 1 -77 13 01.18		7 -0.364			5.64	2	5.77	2	FHIII	1	257879		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F		RA PM	DEC PM	1.00.1	V N		B N	V . [U N	SPECTRAL	- 5 N	SAO CAT-NO-	STAR PROP.	N
			+63 19 27 • 05	١.	0.0007	-0.020	5.15						A2		20100		
1751	30 CEP	16 43 25.712	+08 40 20.34	١.	-0.0001	+0.014		2	6.68	2	B.62	2	K5111 K211-111	1	124487	UV3	
1752	43 -I HER 23 AQL	19 15 59.792	+00 59 34.10		0.0005	+0.020	5.15	٦	E 25				G5V	1	244981		1
1753	23 AQL MU ARA	17 40 10.270	[-51 48 35·06]		-0.0014	-0.193		2	5,85	2			A4	Į.	9577n	! .	1
1754 1755	101 HER	18 06 43.406	1+20 02 09.74	•	+0.0005	-0.021	5.16		5.070				B7V		104488	V	1
1756	18 Y AQL	19 04 37.312	+10 59 34 • 30		-0.0002	-0.028	5.16	2	5.09	2	4.67	2	BBII-IIIP	7	124408	י עם	
1757	21 AQL	19 11 11.383	1+02 12 25.96		+0.0005	+0.003	5 • 16 5 • 16	2	5.69	2	, ,		DF8		245921		1
1758	RHO TEL	19 02 22.677	-52 24 59.33			-0.115	5.16	2	5.94	2	6.36	2	GBIV		104807	٧?	
1759	31 -B AGL	19 22 35.096	+11 50 09 47			+0.640	5.16	-					GBIIP		84416	٧?	
1760	-s HER	16 28 23.219	+20 35 14 15			+0.049	5.16	2	5.64	2	5,63	2	F7IV	1	127810		
1761	49 SIG PEG	22 49 51.922	+09 34 08 98			+0.000	5.16	2	5.29	2	5.37	2	A2V		128022		
1762	59 PEG	23 09 12.612	+08 26 53.78			-0.007	5.16	_				1	K319		147066	V.5	
1763	3 CET	00 01 56.533	-10 47 15.98			-0.010	5.16						GK1	1	246762	Į.	
1764	IOT IND	20 47 53.819	-51 47 45.74		-0.0019	-0.081	5.16			1		1	KOIII		126965		1
1765	25 -D AGR	21 37 01.044	+02 01 04.24	- 1	-0.0067	+0.035	5.16	ŀ		1		l_	M2III	1	139490	D	
1766	82 -M VIR	13 38 39 077	-15 47 25.90			-0.072	5-16	2	5.57	2	5.53	2	F5IV		250880	1 "	L
1767	8 ALP- 1 LIB	10 12 05-677	-66 07 28-10		-0.0058	+0.000	5.15	2	5.38	2	5.56	2	A M		27695	1	1
1768	M CAR	10 31 57.350	+57 20 27 14	ı	+0.0081	+0.035	5.16	2	5.50	2	5.48	2	F1V	i	248208	3	Ţ
1769	37 UMA BET- 3 TUC	00 31 27.662	-63 18 23.45	i k	+0.0127	-0-034	5.16			1	}	1	A2 B3V	1	77285	'	-
1770		05 32 23.739	+24 00 29.85		+0.0005	-0.014	5.16	1	1				KOIII	1	149924	٧?	1
1771	1774	nu 47 56.261	-16 18 09 83		+0.0024	+0.054	5.16		6000	1	1		GSII		78999	ν?	1
1772	60 ERI	06 59 22.027	7 l+24 17 18•71		-0.0005	-0.002	5.16	١,	6.090	2	3.94	2	BOVN	1	220361	1	1
1774	D VEL	08 42 06.427	7 -49 38 28 34			+0.000	5.16	2		2	3.74	1	DF4	ļ	236475	D	
1775	-B- 2 CAR	na 5a 10.509	9 -58 53 30 25			+0.277		2		2		1	A2		250164	ם	1
1776	C- 1 CAR	OR 14 30 697	7 -62 45 39 52			-0.025	5.16 5.160				5.820	1	GIV	1	153500	יי	- [
1777	g PUP	1 07 49 27 328	3 -13 45 50.78			-0.344	5.17	15	6.44	12			GK4		219218	ļ.	
1778	O PUP	07 56 17.44	L -45 26 31·19	1 1		2 +0.019 0 -0.041	5.17	٦		1			KSIII		14769	1	1
1779	11 516- 1 UMA	09 04 01.89	8 +67 04 33.26			1 -0.034	5.17	1				1	DF9	.	14819		- 1
1780	16 -C UMA	09 10 24.63	1 +61 37 51.21			+0.044	5.17	1		1			KOIII	1	42576		- 1
1781	35 LYN	08 48 35.95	6 +43 54 51 • 14	1 1		-0.034		1		-1		1	A3		76971	1	- 1
1782	106 -L TAU	05 04 50.68	0 +20 21 15.03	1 1		-0.025	5.17	lz	4.89	2			09.5V	- 1	196149	DV	- 1
1783	MU COL		4 -32 19 27 47			1 -0.049			1	1			A M	1	74041	D D	ı
1784			0 +29 28 34.47 6 +75 52 34.67	1 1		2 -0.015						1.	GBIII		109793	1 "	ı
1785			4 +03 21 06.23			5 -0.019		2		2		12	A3V	1	23256	l o	- 1
1786			7 +55 37 05.42			1 +0-004		2		2		2	AZTA		131176	1 "	- 1
1787			0 -03 51 34.77			6 -0.054		2		2	5.33	2	A2V		98876		ı
1788	42 XI ERI		7 +12 41 02.93			7 -0.020			5.130				89.5V	4	182134	1	
1789		12 55 42.43	3 -24 43 44.18		-0.003	6 -0.031	5.17		5.070		.		B8 A2		126749	l p	-
1790		21 20 24.66	9 +06 35 47.14			6 +0.014		2				2	F5IB		69806		
1791		s on 16 43.76	3 1+34 49 31+59	1.0	+0.000	2 -0:005	5.17					10	B9P	1 -			
1792 1793		0 3 48 46.44	3 1-19 11 13•92		+0.001	3 +0.004	5.17					2	MIIII	- [- '	101545		
1794		0 15 23 28.11	6 1+15 36 09+65			0 -0.012			5.06		. 0.78	1	BTIV		67834		
1795	1	9 19 05 30.95	4 1+36 01 14.52			3 -0.001			3.00	٦,		- [-	KZIII	- 1	85437		- 1
1796	B7 HE	e 17 46 47.38	7 +25 38 17•42			4 -0.040			5.26	7 a	5.34	7 2	A1		207144		
1797		P 15 53 41.25	i6 -33 49 17•51	.		5 -0.045						2	BEIII		87136		
1798		1 19 20 47.90	5 +26 09 54.85	1		2 -0.008			4.99				₿5		248018		
1799		E 23 44 37.21	6 -50 30 14.18	1	+0.000	7 -0.013				٦			F4III	- 1	10425		
180		p 22 34 31.98	2 +73 23 00.37		140.002	1 140.030	1	- 1		- 1	1						

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN.	DECLINATION P	RA PM	DEC PM	VISU-L MAG.	N		B N		U N	SPECTRAL CLASS	5	SAN CAT.HO.	STAR PROP.	G N
		19 59 56 650	+49 57 53.05	+0.0015	+0.006	5.18		6.280				KITI-III		9091	C	1
1801	. 58	19 39 30.030	+26 22 32.44	-0.0012		5.18	2	5.26	2	5.36	5	VEA		92291	_	1
1802	13 COM	10 30 37 306	+18 39 07.37	-0.0004		5.19	ı		-1			K2III		100160	ח	1
1803	24 A COM	12 32 37.300	+40 27 55.05	-0.0016		5.18					1	A6N		42958		1
1804	42 LYN	09 35 14 861	+02 17 08.63	+0.0035		5.18	2	6.70	2	8.54	2	MOTII		118764	l	1
1805	75 LEO	11 14 42.904	16 12 20.63	-0.0039		5.18	2	5.15	2			AOV	ŀ	156988	/ V?	
180 ₀	30 ETA CKT	11 55 27.651	-16 52 20.63 -63 30 17.09	+0.0133		5.18		6.130			1	G7III		249019		
1807	ETA RET	04 21 20.505	+20 58 05.58	+0.0019		5.18					l	B5V	•	75886		1
1808	61 TAU ARI	03 18 20 100	150 50 03030	+0.3947		5.18	2	5.87	2	5.96	2	G5VP		22024		1
1809	30 MU CAS	01 04 55.666	+54 40 32.96	+0.0043		5.18	-				1	GK4	1	167416	1	1
1810	50 CET	01 54 19.672	-22 46 12 86	+0.0013		5.18					1	~K5	1	91912		
1811	48 PSC	00 25 36.589	+16 10 07.58		-0.069	5.18	2	6.18	2		İ	GGA	1.	166207		1.
1812	IUT SCL	00 19 00.611	-29 15 28 37		+0.052	5.18	ž	5.43	2		1	FOILI		220717	ηV	1.
1813	FZ VEL	08 57 10.346	-47 02 24.93		-0.034	5.18	1	5.160				A2V .	1	78805	0	1
1814	36 -D GEM	06 48 33.241	+21 49 19•14		-0.124	5.18	1					F5IV-V	1	79403	ס	1
1815	63 GEM	07 24 46.354	+21 32 56 83		-0.188	5.182	1	5.684	1	6.542	1	F7V]	106475	D .	1
1816	12 GAM- 1 DEL	20 44 19.473	+15 56 34.71			5.19	•	5.260	-	0.0		AP	1	6805	V	1
1817	73 AF DRA	20 32 11.343	+74 47 01.07		-0.012	5.19		5.050	1	1	1	A1	1	42759		
1818	36 LYN	09 10 32.470	+43 25 30 92		-0.036	5.19	2	6.32	2	7.50	2	K4III	1	256201	ח	1
1819	GAM MEN	05 33 51.219	-76 22 40.30		+0.285	5.19	۳.	5.060	-	'•'	-	B7V		95447	<u>l</u>	ł
1820	72 -F- 2 ORI	u6 12 32.077	+16 09 37 • 16		-0.014	5.19		5.050	1		1	ASI		76455	. V	- [
1821	41 GS TAU	04 03 32.044	+27 28 00 58		-0.051	5.19	2	5.08	2	4.58	la	B5VE	1	240367	0	-
1622	MU - 2 CRU	12 51 39.615	-56 53 49 85		-0.005		2	6.33	2	7,45	2	KIIII		157739		
1823	49 VIR	13 05 16.406	-10 28 24 -61		-0.012	5.19	٢	6.160		1	-	KOITI	1	104818	ים	ı
1824	4 VUL	19 23 16.878	+19 41 57.23		-0.063	5.19		0.100	1		1	GK4	1	1835A0		-
1825	36 LIB	15 31 35.056	-27 52 47.95		-0.036	5.19	ı	5.210	1		ı İ	AZV	1	83729		1
1856	48 CHI BOO	15 12 23.619	+29 20 55 85		+0.026	5.20	1	5.130	١.			B911-111		86521		1
1827	112 HER	18 50 08.204	+21 21 48 89		0.008	5.20	2	6.67	2	8.30	12	GOTAE	1	142620	V	
1828	R ScT	18 44 48.745	-05 45 37.40		0.028	5.20	۴	0.07	1-	0.00		GBIII		241992	D'	1
1829	-B LUP	14 43 30.576	-52 10 23.89		-0.088	5.20			1		1	KSIII		27815	1	- 1
1850	44 U,4A	10 50 33.486	6 +54 51 05 10	-0.0008	-0.013		1	1	1			KOITI		6936		٠į
1831	27 UMA	09 38 23.69	2 +72 28 53 18	-0.0056	-0.031	5.20	2	5.80	2			GIV	1	167736	1	ļ
1832	KAP FOR	02 20 15.24	-24 02 33.76		-0.056	5.20	16	3.00	-		1	M5-65E		166210	V	١
1833	T CET	00 19 14.52	2 -20 20 06.19		-0.001	5.20	2	5.76	2	5.84	2	F8V		128839	DV3	- 1
1834	13 CET	00 32 40.37	1 -03 52 04.29		-0.021	5.20	2	5.70	12		2	F8V		147470	1	
1835	19 PHI- 2 CET	00 47 37.28	3 -10 54 47.65		5 -0.223		2	5.64	2			F6V		95432	ר	- 1
1836	71 ORI	66 11 54.29	2 +19 10 30 -51		8 -0.190	5.20	2	6.38	2	7.51	2	KITI	- 1	113905		
1837	77 ORI	06 24 39.65	1 +00 19 50.92		2 -0.009	5 • 20	-	0.30	1-	1 1 31	-	AO	1	25447	V	- 1
1838	31 TU CAM	05 50 28.94	8 +59 52 47.18		1 -0.019	5.2	1	5.21	2	5.18	12	AO		256535	0	1
1839	THE VOL	08 38 54.78	5 -70 12 29.53		0.048	5.20	5		2		1	AM	1	218424	1	1
1840	C PUP	07 02 27.60	8 -42 15 44 93		6 +0.067	5.20	14	5.130			1	Be	1	163592	Ď	Į
1841	10 PI CAP	20 24 27.62	7 -18 22 37.45		9 -0.010	5.20	1			1		B3VE		69231		- 1
1842	25 CYG	19 58 05.06	7 +36 54 17•27		1 +0.006	5.20	1	5.030				KSIII		70499	DV	- 1
1843	T CYG	20 45 10.91	1 +34 11 21.85		6 +0.006	5.20			1			GK2	1	246854		
1844	MU IND	21 01 34.30	2 -54 55 34 61		3 -0•033	5.20	1				1	GM7E		19229	l v	- 1
1845	T CEP	21 08 52.87	0 +68 17 11•85		3 -0.062	5.2	1	1			1	KOIII	1	50934	1	ı
1846	71 -G CYG	21 27 36.07	4 +46 19 09•90		1 +0 - 107	5.20			_			A3	1	165658	l n	
1847	97 AGR		1 -15 18 50.34		5 +0.022	5.20	2	5.40	2		1		1	30013	D	1
	17 DRA	16 35 02.64	8 +53 01 27+11		7 +0.025			1		1	1	AO+AO		123497	Ďν	
1848	59 -D SCA		6 +00 09 53.44	-0.000	7 -0.002	5.21	2	5.71	2	5.92	2	GO+AO		85647	Ď	- 1
1849 1850	95 B HER		1 +21 35 39.16	1+0.000	7 +0.031	5.21		1			1	G5III		22041	1 "	- 1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

		31	AR DESIGNATIONS	AND STA	(D								Γ,	SAO	STAR	G
 -1	SIAR	RT. ASCEN.	DECLINATION P	RA	DEC		٧		В		U	SPECTRAL	5 N	CAT.NO.	PROP.	N
	DESIGNATION	HR MN SEC	DEG MN SEC N	РМ	PM	MAG.	N	MAG.	N-	MAG.	N.	CLASS	114	CHILAGO		
NUMBER	DESTRIVATION.					6 0	2	5.65	2			F3V		101235		l
1851	59 UPS AQR	22 31 57.688	-20 57 53.86	+0.0158		5.21	"	2.0	ا "ا			R314		71358		l
1852	70 CYG	21 25 18.864	+36 53 55·35	+0.0001		5.21 5.21						F5TI	ì	98098	D.	1
1853	16 VUL	19 59 54 081	+24 47 48 51	+0.0064		5.21	- 1				l	A0		₹9699		
1854	59 PER	04 39 21.107	+43 16 19.02	+0.0036		5.21	2	5.37	2	5.46	2	A3V	1	215374	tr -	ļ
1855	UPS PHE	01 05 30.962	-41 45 14-23	+0.0033		5.21	-	5.150			ΙI	B6IV		93127	UAS	
1856	42 PI ARI	02 46 29.805	+17 15 27.06		-0.012	5.21	2		2	5.03	2	B9	ļ.,	137600		
1857	29 DEL SEX	10 20 56.300	-02 28 57.21		-0.018 -0.107	5.21	٦	3,13			l	DF1	1	1A2855	מ	1
1858	54 -M- 1 HYA	14 43 06.029	-25 13 55 15	-0.0111	-0.041	5.21	2	6.17	2	6.77	2	KOIII	1	139401		Ì
1859	76 -H VIR	13 30 19.814	-09 54 28.93		-0.033	5.21	5	5.11	2			B8	1	180700	ח	1
1860	5 ZET CRV	12 17 58.019	-21 56 17.08		-0.121	5.22	2	6.26	2			K1IV	1	157823		1
1861	57 VIR	13 13 16.230	-19 40 39.95		+0.187	5.22	2	5.80	2	5.89	2	FRV		119847	ח	
1862	59 -E VIR	13 14 17.531	+09 41 05.64		+0.000	5.22	2	5.55	2	5.70	2	д М	1	119574		1
1863	32 -D- 2 VIR	12 43 05.423	+07 56 47.16		+0.059	5.22						GM2		44905	V?	1
1864	13 Bo0	14 06 25.202	+49 41 37 67		+0.046	5.22	2	5.58	2		1	DF2	1	232203	V	1
1865	RHO PHE	UD 48 24.814	-51 15 33.91		-0.006	5.22	ļ [—] ļ	5.140]		B2V?PE	1	25001		1
1866	11 CAM	05 01 47.147	+58 54 18 40		+0.001	5.22	2	5.23	2	5.24	2	A1		113321	D	
1867	PO OKI	05 56 15.234	+00 32 59 73	-0.0023	-0.259	5.22	ļ —					K2III		26248		1
1868	18 LYN	U7 11 33.384	+59 43 44 86		+0.164	5.22		5.790		j		GOV		41330	ח	1
1869	56 PSI - 5 AUR	06 43 08 206	+43 37 45 74		-0.024	5.22	1	5.230				AIV	1	97224	V?	1
1870	11 CMI	07 43 31 103	+10 53 29.87 +12 51 17.16		+0.029	5.22	1	5.270				A2V	1 .	106248	V.5	1
1871	3 ETA DEL	26 31 35.073	-02 43 27.16		-0.001	5.22						KATIT		144624	D	
1872	70 AuL	20 34 07 407	+00 18 33.97		-0.013	5.22			1	1	1	KITTI	1 :	126062	J 0.	6
1873	1 AGR	20 30 31-133	+72 ₀ 5 26 87	-0.0100	-0.032	5.22	ł			1		Killi		10131		١٠
1874	78 DRA	21 42 20 013	+62 32 28 68		+0.063	5.22	1					K4III	1	19847		1
1875	20 CEP	22 03 27 172	+38 57 41.12	+0.0246	-0.076	5.22	2	6.24	2	7.10	2	GBIII	1	73311	DV?	
187b	14 AND	23 20 47 531	+13 33 15.97	+0.0008	3 -0.122	5.22	2	5.75	2	5.82	2	FBIV		143492	V?	
1877	11 AuL	10 30 47.331	-02 53 40.34		2 -0.006	5.22				1	1	MIIII		105168	DV?	1
1878	36 E AGL	10 40 12.766	+11 42 27.07	-0.000	2 -0.005	5.22	1				1	DF3+A3	1	253005	"	1
1879	47 CHI AOL	15 00 35 017	-63 50 13.24		1 -0.001	5.22	1				1	GG4		64790		1
1880	ETA CIR	15 33 24 732	+39 10 30 - 26	+0.002	1 +0.003	5.22		l _	1.		1.	GM2		121215		ı
1881	6 MU CRB	15 47 45 897	+02 20 51.72	+0.001	9 -0.053	5.23	2	6,25	2	7.07	2	GBIII		244734	1	1
1882	1 7 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	17 22 05.765	-50 35 24.35	1+0.001	0 +0.002	5 • 23	2		2	1		KIIII		17546	D	1
1883	XAP ARA	17 34 28.238	+61 54 45.41 C	+0.035	2 -0.510	5 • 23	2		2	5.94	2	G1V A1V		105438	1	1
1884	26 DRA 61 PHI AQL	19 53 52-11	+11 17 22.88	+0.002	1 +0.009	5.23	1.	5.210	"		1	GM1		18658	.]	1
1885	64 -E DRA		+64 40 50 -55	+0.000	7 -0.010	5.23	1.	0	1		2	FSIV		126428	D	1
1886	1 7 4 2	20 56 34.50	1 +04 06 02.50	-0.007	5 -0-144	5.23	2		2	5.71	2	A4	1	131358	D	1
1887	1 EPS EQU	na 35 04.97.	1 -02 34 19 20	+0.002	5 -0.059	5.23	2		2		۱۴.	FOIV	1	233709	D	1
1888	10T+ 1 PIC	04 49 48.13	5 -53 32 45•52	-0.010	7 +0 • 085	5.23	2	5.56	2		Ì	69111		37275		1
1889 1890	49 A AND	1 01 27 05.50	5 +46 45 00 • 17	+0.000	7 -0.039	5.23		-]			1	AO		4470	V?	- [
1891	42 CAS	1 01 39 00.92	3 +70 22 15•78	+0.015	6 -0.006	5.23			1			FSV	1.	75204		1
1892	17 ETA ANI	l no 09 59.75	6 +20 58 37 • 31	+0.011	5 +0.007	5.23	1	5.27	n l		-	AZV		75276	ם	
1893	IU TRI	no 16 02.72	3 +28 24 46 • 35		8 -0.002			~ ~ ~	~ ·		1	K5111	- 1	55635		
1894	14 TRI	l no 29 02.53	8 +35 55 36 15		8 +0.017		2	5.10	2			AOSI		149063		-
1895	20 ER1	l n3 34 00.59	3 -17 37 53 15		4 -0.007	_	2				-	FOV		200926	0	-
1896	ETA ANT	l ng 56 43.34	7 -35 39 03 66		1 -0.024		2				2	FIIII		137469	1 _	
1897	22 EPS SE)	(9 -07 49 06 78		0 -0.001		2				2	KZIII		136725		- [
1898		1 09 14 12.71	7 -06 08 36-69		1 +0.002		2				2	F6V		156301	DV?	1
1899		10 51 02.57	0 -19 52 08 84		5 +0.01		1	5.24			1	ALV		62572	, D	1
1900		1 11 26 22.90	2 +39 36 44.41	_ - ∪•∪∪4		. 1 2.54	ı	1	1	1	- 1	1	i	1		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION LEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	NA	BLUE MAG.	B N	UV MAG.	צכ	SPECTRAL CLASS	5 N	SAO C.T.NO.	STAR PROP.	G N
1901	15 800	14 12 23.822	+10 20 07.17		-0.0018	-0.157	5.24						KOIII		100930	n	
1902	102 UPS VIR		-02 02 06 82		-0.0080		5.24			1			GRIII		139866	٧?	1
1903	8 DRA	12 53 29.454	+65 42 33 68	1.0	-0.0014		5 • 24	2	5.52	2	5.54	2	A5N		15941		1
1904	28 TAU- 7 ERI		-24 01 42.50		+0.0028		5.24	2	5.31	2		l	A2		168836	l	
1905	56 TAU		+21 39 15 94		+0.0022		5.24		5.100				ASI		76551	l:	1
1906	7 TRI		+33 07 38 97		-0.0014		5.24		5.230		- 1		B9.5V		. 55397		
1907	ZET- 2 RET		-62 41 47.77		+0.1936		5.24	2	5.84	2			G1V		248774	1	1
1908	107 PSC		+20 01 34.34		-0.0209	-0.668	5.24	2	6.08	2	6.57	2	K1V		74893		
1909	wZ DoR		-63 27 44 65		+0.0030		5.24		6.86	7	8.70	7	B2.5	7	249198	٧	1
1910	76 -C GEM		+25 54 17.99	i	-0.0014	-0.018	5.24					1.0	KSIII		79650		1
1911	F PUP		-39 07 04.40		+0.0002	+0.005	5.24	1					A1		197836		1
1912	76 KAP CNC		+10 52 14.13	ı	-0.0014	-0.012	5.24		5.130	1			A P		98378	V	1
1913	17 DEL	20 53 14.567	+13 31 46.86	1	+0.0009	-0.009	5 . 24						KOIII	1	116665		
1914	13 PEG		+17 03 08 67		+0.0053		5 . 24	l		1			F2III		107425	ח	1
1915	106 -I- 1 AGR		-18 33 16.30	ľ	+0.0019	+0.002	5 • 24		5.150				BeV		165854		
1916	MU CRA	18 44 14.852	-40 27 40.90		+0.0007	-0-014	5.24	2	6.02	2	•		6?G2		2292A5		1
1917	19 CYG		+38 35 33 82		+0.0007	+0.108	5 • 24	1		1			GM2	l	68947	טע.	1
1918	37 -K AGL		-10 40 16.41	i	+0.0005		5.24	1		1			GSIII	l	162792		1
1919	45 -L HER		+05 20 05 94		-0.0014		5 - 24		5.220	1			AP	1	121865		
1920	54 PHI BOO	15 36 01.742	+40 30 55.00		+0.0052	+0.059	5 • 24	2	6.12	2	6.65	2	G8111-1V		45643		
1921	59 -D HER	16 59 45.478	+33 38 22.09		-0.0001	-0.001	5 • 25		5.270				AZIII		65736		1
1922	IOT ARA	17 19 30.584	-47 25 16-27		-0.0008		5 • 25	2	5.14	2	4.33	2	B3NE		227886	L)	1
1923	PI ARA	17 33 58.967	-54 28 09.24		-0.0041		5.25	2	5.45	2			A7V		244896	١	
1924	12 DD LAC	22 39 14.013	+39 57 49.62		-0.0006		5.25	2	5.11	2	4.24	2	B2III		72627	V	
1925	5 ETA CMI	07 25 20.734	+07 02 43.34		-0.0004		5.25	2	5.47	2	5.64	2	GF0	i .	115477	. D	1
3 1426	7 DEL- 1 CMI	07 29 30.057	+02 01 18.95		-0.0011		5.25	2	5.47	2	5.67	2	A8		115581		1
1927	d LEP	05 21 12.779	-13 58 22.07	1	-0.0003		5 • 25	2	5.04	2		1	B2IV	1	150396	l	
1926	THE SCL		-35 24 46.45	1	+0.0135		5.25	2	5.69	2	100		F4V	l .	192388	בעם	1
1929	Zu PER		+38 08 06.74		+0.0040		5 • 25		ا عناما			٦	F4V	1	55975	UVE	
1930	ERI ERI		-01 19 10 07	1	-0.0002		5.25	5	5.15	2	4.76	2	B7IV	1	130698	1	
1931	50 HYA		-27 01 36.38		-0.0009		5 • 25	1		1		٦	GK3		182349 222895		
1932	C- 2 CEN		-47 21 51 21		+0.0030		5 • 25	2	5.50	2	5.62	2	F2 B5VM		220978	D	
1933	-Z- 1 VEL		-43 01 10 42	1	-0.0025		5 - 25	2	5.11	2	4.55	12	A5V	1	81054	l "	1
1934	22 -G LEO		+24 37 58 22		+0.0005		5.25	٦	5.18				B9	i	236824		
1935	K VEL		-50 50 23.77		-0.0028		5.26	2	5.18	2		1	B8	1	238468		1
1936	-Z- 2 VEL		-56 29 35 34		-0.0019		5.26	2	6.79	2	8.55	2	MOIII		157938	v2	
1937	68 -I VIR		-12 26 53 17		+0.0074		5•26 5•26	2	5.48	2	5.58	2	SGA8		93876		1
1936	58 TAU		+14 58 37.86		+0.0138		5.26	2	5.36	2	3.30	-	I AO		248656		1
1939	NU HOR	02 47 54 688			+0.0034		5.26	2	5.46	2	5.55	2	A4		130269		1
1940	10 RHO- 3 ERI	03 01 48.952			+0.0046		5.26	۱"	3.45	1	1 3.33	-	DF5		232857	1 .	- 1
1941	ZET HOR	02 39 06.229			-0.0017		5.26	1	1	1		1	DF1	.	92436	٧?	1
1942	93 RHO PSC	01 23 33.246		1	-0.0007		5.26	1	5.190	1			Betit	1	59319		- [
1943	52 PSI- 3 AUR		+39 56 51 00		-0.0007		5.26	2	5.07	2	4.32	2	B2V		133114		
1944	7 MON				-0.0015		5.26	2	5.18	12		Ι-	891V	1	197215	מ	
1945	-X PUP	06 45 38.630	+29 51 23.34			-0.004	5.26	1-		1	1.0	1	GRIII		80650	1	1
1946	72 TAU CNC				-0.0041		5.26	2	5.12	2	1	100	B3VN		236105		1
1947	-E- 1 CAR	00 04 00.836	-58 03 03.51 -19 53 39.69	1	-0.0072		5.26	1	6.200		1	1	G7111		165293	1	1
1948	68 -G- 2 AQR		-19 52 28 69		+0.0064		5.26	1	""	1.			GK5	1	247711	ł.	1
1949	KAP GRU		-54 14 00 86		+0.0000		5.26	1		1		1	GK3		212716		121
1950	PSA	1 51 02 51.231	-32 32 34.02	1	10.0000	10.013	1 5.0	1	1	1		1	1	1	1	i :	1

TABLE 5 CONTINUEC
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

	STAR		DECLINATION P	RA PM	DEC PM	1.2007.	N N	BLUE MAG•	B N		U	SPECTRAL CLASS	ν; Ξ	SAO CAT-NO.	STAR PROP.	N G
NUMBER	DESIGNATION	1110 140			2 013	5.26	一					A5		65812	Ü	
1951	-c HER	17 06 15.553	+35 59 56 68	-0.0023	-0.012 -0.132	5.26	- [1 1			KUD	1	101640	100	1
1952	16 SCP	15 34 05 279	+10 10 33.991	+0.0029		5.26	ı	5.200				H91/		64656	n	
1953	50 BuO	15 19 48.345	+33 06 42.07	+0.0004		5.27	2	6.68	2	8.30	2	K5III?	i	257381	''	1
1954	DEL- 2 APS	16 12 54.659	1-78 32 44 26	+0.0040		5.27	_					GGR		245772	n	1
1955	KAP TEL	18 48 41.748	-52 10 01 54	+0.0013	-0.056	5.27					١.,	AOV	1	190050	''	
1956	25 CHI CAP	21 05 41.937	-21 23 44 70	-0.0018		5.27		5.210				89		35642	n	
1957	18 AND	23 36 42.416	+50 11 40.85		-0.015	5.27	2	5.23	2		1	A0	<u> </u>	176189 58749	''	1
1958	ETA PYX	08 35 43.953	-26 04 44 07		-0.051	5.27	1			·	1	A M		113150	l o	1:
1959	40 AUR	06 03 08 209	+38 29 21 37		-0.019	5.27	2	5.50	2	5.67	2	ASN		132336	DV?	1
1960	52 ORI	05 45 18,945	+06 26 17.32		+0.011	5.27	2	5.50	2	5.67	2	GF0	ŀ	110405	1.'''	1
1961	45 ORI	05 33 11.418	-04 53 13.59 +00 10 05.62		-0.003	5.27	2	6.92	2	8.77	2	GM2	1	101025		1
1962 .	CET CET		+19 27 02.75	-0.0051	+0.020	5.27	l				i '	A5	ļ	27430	l v	
1953	22 - F B00	14 24 07.727	119 21 02 15	-0.0007	+0.020	5.27			1			A2		99305	'	1
1964	31 SY UMA	09 52 27 789	+50 03 25.05 +10 48 37.01		-0.02B	5.28	1	5.290	1			A2V	1	157042	ļ	5
1965	53 -L LEO	10 46 37.797	-19 22 50 • 18		+0.008	5.28	1				i.	B1.5V M4III-M4.	\$ 7	44901	V .	
1966	CRT	11 28 11.212	+44 05 29.73		-0.031	5.28	S	6.86	2	8.52	2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P '	193573		-
1967	ьү Воо	14 05 55 835	-30 57 27.38		+0.010	5.28	2	5.26	2	1	1	A1V	1	75382	1	1
1968	MU FOR	02 10 42.374	+29 26 50 • 24	-0.001	-0.082	5.28	1				_	\$GA7		255898	1	I.
1969	12 TRI	02 25 13.653	-79 19 40.34	+0.0460	-0.043	5.28	2	6.26	2	6.90	2	GAIII		76548	1	1
1976	MU HYI	02 32 40 904	+21 01 22.94		-0.040	5 • 28	1	5.230			1_	A P	1	76602	1 .	
1971	53 TAU	04 16 29.027	+22 05 13.99	+0.007	-0.052	5 • 28	2	5.53	2	5.62	2	A5N		24314	D	1
1972	b7 TAU	04 22 20.032	+50 33 08.98	+0.009	7 -0.127	5.28	2	5.69	2	5,60	2	FSIV	1	130878		ı
1973	43 A PER	03 52 52 123	-01 41 18 14		3 -0.014	5.28	2	5.13	2	4.58	2	85V.	1	193263	1	1
1974	35 ERI	03 58 59 643	-32 34 42.49		9 -0.022	5.28		1	1		1	GK0	1	4562	1	
1975	PI SCL	01 39 33.210	+77 02 33.44		6 -0.052	5 • 28		1	1.			A2N		258215	1	
1976	47 CAS	02 00 02.232	-82 30 07.23		1 -0.014	5 • 28	2	6.33	12	7.25	2	GG8 K2II-III	1	13756	1	1
1977	GAM- 3 OCT	00 07 40.304	+65 43 53.19	+0.001	5 -0.032	5.28	1				1	A4III		96871	İ	
1976	36 CAM	06 07 474504	+11 46 08.64	-0.001	2 -0.016	5 • 28	1		1.	1	1,	KOIII		116182	.	1
1979	1 CMI		+02 21 34.14		8 +0.096		5	6.19	2	6.91	2	KOIII	1	52907	1	1
1980	14 CMI		+48 21 03.09	+0.001	7 +0.061	5 • 28					1	GM3	1	164263	V?	1
1981	11 AND	1	1 -15 22 49.49	+0.001	7 +0.007		1	6.90	۷Į		1	GZIV	ļ	164580	1	-
1982	29 CAP	21 38 49.84	-14 16 17.42		4 -0.304		1_		١,	0.16	12	K311	1	258799	.	
1983	42 CAP		5 -87 39 09.92	-0.077	9 -0.131	5 • 28	2	6.56	2	8.16	۲	DAB	1	65627	1	1
1984	CHI OCT		+31 46 59.65		5 -0.019		1					K5111	1	159028	1	
1985		15 03 49.92	9 -16 03 51 08	-0.003	1 -0.025	5 • 28	ŀ				ı	DF2		124318	l'	-
1986			6 +05 59 35.32	-0.000	8 -0.075	5.29	1.	"	1,	6.51	2	GG5	1	258914	D	i
1987	19 AOL LAM- 1 OCT		7 -82 57 05.52		8 -0.033			6.04	2		2	GM2		127002		-1
1988			4 +05 27 05.29		9 -0.003			6.93	၂2	0.01	-	KOIR	ļ	89972		-
1989		1 21 43 46.18	41+22 43 03•07	+0.000	5 +0.001	5.29					1	GKN	l l	230726		- 1
1990		1 21 28 56.36	41-41 24 03.15	+0.001	5 +0 • 006	5.29					12	GOV	1	258033	n	1
1991 1992	XI GRU	1 22 21 21.96	3 -72 29 58•85	+0.289	0 -0 -686	5.29					-	A5		165867		-
1993		23 43 25.17	2 -18 57 22•27	+0.009	3 +0+034			"""	•			A3		108879	V?	1
1994	B2 PEG	3 50 03.92	9 +10 40 09•09		7 +0.009			5.25	la		- 1	88		151919	1_	ı
1995	1 0	1 116 44 34.17	4 -14 22 15•42		6 +0 • 009						2	A1	1	256505		. 1
1990	- 1 - T	na 22 32.62	1 -73 14 18.99		8 +0.01						- 1	C5=3	.	59280		
1997	- 1 - T	n6 33 06 63	7 +38 29 16 10		5 -0 - 026		- 1	' ' ' '	1	1	1	B72V2NN		150345		1
1998		0 05 17 39.71	8 -12 21 55-61		9 +0.008			5.65	5 2	5.65	2		-	111672		
1998		1 nu 10 51.36	7 +07 35 23•29	1 -0.000	3 +0.009			5.38		"""	- 1	A3V	- -	75510	D	
2000	1 1		5 +26 50 50 75	1 +0.00	50 -0 -02	3.24		1 2.3	~		- 1	1	- 1			

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG WN SEC	D 2	RA PM	DEC PM	VISUAL MAG.	2 <	BLUE MAG.	B N	1JV MAG.	U N	SPECTR L CLASS	5.11	SAA C+T+10.	STAP PROP.	G
2001	H CEN	12 54 10.886	-50 55 41.60		-0.0027	-0.019	5:29					1.	Bav		240407		1
2002	17 AI COM	12 26 24.963	+26 11 21.69		-0.0019	-0.024	5.29	2	5.23	2	5,13	2	A SI	ļ	82330	עם	
2003	R CEN	14 12 56.901	-59 40 55 23		-0.0018	-0.022	5.3						M4	j	241580	עמ	
2004	92 LEO	11 38 11.187	+21 37 50.48		-0.0044	-0.046	5.30	l					KOTTI	1	81941		1
2005	42 LMI		+30 56 46.23		-0.0019	-0.042	5.30		5.250				B9V		62236		1
2006	23 LMI	10 13 24.248	+29 33 37.31		-0.0057	-0.028	5•30		5.310			1	AOV		9125A		
2007	91 -L P5C	01 18 21.077	+28 28 39.56		+0.0022	-0.067	5.30					1 .	GK5		74647	ļ	
2008	31 CAS		+68 30 47.88		+0.0068	-0.017	5.30					1	AC	l	11612	1	1
2009	AE AUR		+34 15 24.59		+0.0007		5.3					ŀ	09.5V		57816	עם	1
2010	115 TAU		+17 55 15.48		+0.0004		5 • 30				1 1	1	ಕ5V		94554	ŋ	
2011	4 CAM		+56 40 15 10		+0.0066		5.30			1			A M		24829	ח	
2012	RS CNC		+31 10 05 01	- 1	-0.0016		5•3					1	M6SE		61306	ν	1
2013	10 MU CVC		+21 43 42.36		+0.0015		5.30	2	5.93	2	6.14	2	G2 I V		79959		1
2014	18 MO CEP		+62 52 34 • 06		+0.0042		5.30		6.86	7	8.66	7	GM5		19828	V	1
2015	SX PAV		-69 43 23.38		+0.0166		5.3					1	GM7	1	255013	٧.	1
2016	NU MIC		-44 41 13 91		+0.0015		5.30					1	GG9	l	230276		1
2017	14 TAU CAP		-15 07 53.44		+0.0003		5.30				1	1	Beili	1	163771	ים	1
2018	2 ES VUL		+22 56 03-18		-0.0000		5.30					1	BO.5IV	1	87036	Ων	
2019	IOT TRA		-63 56 48 61		+0.0083		5.30						DF4	1	253555	Ü	1
2020 2021	3 SCP		+05 07 25 66		-0.0012		5.31					1	GKO	1	120916	[-
5055	H LUP		-67 04 54 09		+0.0043		5.31		6 -3	,			GKO	[206897	•	1
2023	32 AGR		-01 08 56 52		-0.0012		5•31 5•31	2	6,53 5,54	2	7.82	2	GKO		254707		
2024	MU SCL		-32 20 58 98		-0.0073		5.31	5	6.28	2	5.69	2	AM	ļ	145853	.,_	1
2025	as GEM	07 52 44.904	+20 01 03.24		-0.0013		5.31	ا "	5.270	۲			K0111 89.5V		214701 79799	د∨	1
2026	E PUP	07 10 36.356			-0.0022		5.31	2	5.37	2	5.46	2	A P		218525		
2027	17 UMA		+56 57 00 - 55	2	-0.0020		5.31	<u> </u>	3.3,	۴	1.40	٦	KSIII		27185		
2028	14 HYA	08 46 50.952	-03 15 22.83		-0.0016			2	5.21	2	4.86	2	AP		136308		-
2029	LAM PIC	04 41 29.347			-0.0045			2	6.29	2	7,00	-	GG8		233638		1
2030	BET MEN		-71 22 58 14	1	+0.0007		5.31	2		2	7.08	2	Ko	i	256154		
2031	19 LEP		-19 09 31.25		+0.0005		5.31		6.970	-		17	GM2	1	151142		1
2032	NU - 2 COL	05 35 47.423	-28 43 06-11	- 1	-0.0030	+0.051		2		2	5.87	2	DF4	İ	170613		
2033	EPS ScL		-25 18 06 64		+0.0117	-0.056		2	5.70	2			FiV	İ	167275	Ŋ	
2034	22 PHI - 3 CET	00 53 31.022		- 1	-0.0017	-0.005	5.31	2	6.83	2			K4III		147519		1
2035	ETA HOR	02 35 45.293			+0.0093			2		2		1	A5		232835		1
2036	49 ERI	04 34 38 893			-0.0006			2		2	4.75	2	- B 7 V		111928		6
2037	D CEN	12 11 25.272	-45 26 45 27	a	-0.0043			2	6.74	2	8.33	2	GM0		223297	D	1
2036	3 CVN	12 17 21.284			-0.0012		5.31					1.	GM1		44127		1.
2039	9 DRA	12 56 02-053			-0.0241			2	6.61	2	7.90	2	K2III		15960		1
2040 2041	4 A-1 VIR	11 45 20.756			-0.0040			2	5.34	2	5.38	2	A1		119058		ŀ
2041	42 PSI TAU	04 05 54.653			-0.0067		5.32	ا ہ					DF1		76461		
2042	36 PER	03 28 57.804 03 00 14.892		. 1	-0.0050			5		2	5.71	2	FAIII		38924	Λ3	l
2043	9 RHO- 2 ERI		-07 52 51.43		+0.0028			2		2	6.99	2	665		130254	D	ـ ا
2044	6 PER	02 10 15.926 06 05 34.345			+0.0366			2	6.25	2	6.87	2	KOIII		23047		120
2045	37 CAM -Z- 1 PUP	06 28 35.264			+0.0033		5.32	-				-	GAIII		25597		l
2047	31 THE CNC	08 28 44.803		1.	-0.0061		5.32	- 1	* .				F2		234539	D	1
2048	41 CAP	21 39 10 107			-0.0040 +0.0074		5.32	.]	.				GM1		97881	_	
2049	24 VUL	20 14 38.627			+0.0012		5.32 5.32						G69 G8III		190559	G	
2050	9 CYG	19 32 51 638		1	+0.0012		5.32	- 1	1 Table 1				F5+A0		88451 87385		l

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC		DEC PM	VISUAL MAG.	V	BLUE MAG.	B N	UV MAG.	Ŋ	SPECTRAL CLASS	S N:	SAO CAT.NO.	STAR PROP.	B .
			+53 19 09.26	-0.00	9 +0.025	5.32						An		31371		
2051	51 DRA	19 03 47.703	+33 54 56 32	+0.00		5.32					1	GM2	ļ	65257	1.7	['
2052	20 NU = 1 CRB	16 20 20.007	+33 49 07.65		8 +0.056	5.32			1	1		KSIII		65259	ŋ	
2053	21 NU - 2 CRB	17 10 06.278	+10 38 39.50		6 -0.026	5.33			1		1.	GM2_		1n2646	ľv	
2054	37 OPH 20 CHI SCP	15 39 26.101	+13 00 23.76		27 -0.015	5 • 33	2	5.37	2	5.42	2	AP]	101693	. · · · ·	
2055	20 CHI SCP DEL- 2 TEL	18 28 20-114	-45 47 37.43	+0.00)4 -0.0n6	5 • 33			1		_	BSIV	1	229095 69413		
2056	27 -B- 1 CYG	20 04 30.205	+35 50 01.52	-0.01	39 -0.435	5.33	2	6.18	2	6.72	2	KOTV	1	A9332		
2057 2058	33 VUL	20 56 02.128	+22 07 53.72	-0.00	3 +0.001	5 • 33			1_		_	GK4		52711	D	1
2056	4 AND	23 05 21.702	+46 07 00 65		14 -0.026	5.33	2	6.74	2	8.46	2	KSIII		219985	D	1
2060	A VEL	na 27 29.901	-47 45 40.37		L6 -0•002.	5 • 33	5	5.19	2	1		B5N	Į.	152834	v	1
2001	FW CMA	117 22 24.487	-16 06 06·39		14 -0.013	5.33	Ì	5.29			1	B3VE K4III	1	25733	l n	- 1
2062	5 LYN	ne 22 27.087	1 +58 26 49 89	-0.00	04 -0 - 009	5.33				0.00	2	GM1	1	112179	V2	
2063	5 ORI	nu 50 46 173	1 +02 25 37 - 57		20 -0.017		3	6.97	S	8.90	2	GRIII	1	54079		
2064	JZ AND	nn 38 24 046	+39 11 04.33		10 -0.002		2	6.22	2	6.82	۱۴	GRIII		38005	1 :	1
2065	64 AND	02 21 04.737	/ + 49 46 51•65		25 -0.035	5.33	١,	5.25	2	4.69	2	B3V		111595		
2066	40 TAU		+05 17 56 68		00 -0.007		2	5.328		5.288		An	1	194550	200	7-
2067	-F- 1 ERI	03 46 44.672	2 -37 46 26 24		44 -0.010	5.338	1	5.500		3.200	1	A7V	1	75495	1.	1
2068	32 NU ARI	02 35 58.270	+21 44 46.88		06 -0.014	5.34	2	5.66	2	5.77	2	AM	1	112440	D	1
2069	14 -I ORI	05 05 09.412	+08 26 05 62		15 -0.063	5.34		5.16	2	4,25	2	BiV	1	132255	V.	
2070	VV ORI	05 30 59.051	-01 11 22.96		06 +0.001		2	6.38	2	7.23	2	GG7		249309	1	
2071	G DOR	05 32 43.081	-64 15 37.61		59 -0.011	5.34	5	5.75	2	5.83	2	F511		112624	V?	Ì
2072	21 0KI	05 16 34 609	+02 32 44 20		14 -0.046	5.34	ľ	5.310		7.00	٦	8911-111	-	95457		Į.
2073	73 ORI		+12 34 06 64		01 -0.000	5.34	1	5.230				B3V	1	73205	D	
2074	64 PEG		+31 32 17.67		03 -0.005	5.34	1.	3.230	1			GM5		91340	V?	1
2075	71 PEG	23 30 57.620	+22 13 21.53		08 -0.014 08 +0.001	5.34	1		1		ì	K4II	1	85921		
2076	105 HER	18 17 07.130	6 +24 25 25.98		04 +0.022					1 : .		F2III	7	104722	V	
2077	28 A AQL	19 17 19.29	1 +12 16 51.58		08 +0.022	5.34						GRIII	1	87633	1.	1
2078	10 'VUL	19 41 38-090	8 +25 39 03.92		81 -0.074	5.34			1.		1	A M?		211717	מ	
2079	THE- 2 SGR		3 -34 50 03 17		22 -0.011				4	1		GSIII	Į.	101951	מ	1
2080	7 KAP- 1 HER	16 05 48 98	9 +17 10 43.81		10 -0.388	5.34	2	6.08	2	6.31	2	GBV		62655	۸۶.	-
2081	61 UMA	11 38 23.20	2 +34 29 02 88		78 +0.034		1		1		1	KSIII	1	15606		-
2082	3 DAA		0 +67 01 18•18 9 -48 24 51•00		27 -0.020		5	5.34	2	5,30	2	A1V	1 .	223235		1
2083	E CEN	12 05 36-77	7 +13 34 50 27		05 -0.013	_	1		1		1	KSIII	1	99525		ı
2084	73 -N LEO	11 13 13.00	5 +32 10 13.65	-0.04	14 -0.433		2	6.01	2	6.29	2	G4V	1	61808		
2085	20 LMI	16 51 55 15	8 -06 04 25.31		25 -0.020		1	1	1	1	1	KSIII		141431		
2086	23 OPH	1	0 +18 30 42.58		78 +0.012		2		2		2	KATTI	1	102476	D	1
2087	54 HER		5 +00 53 45.38		30 -0 -109		2		2		2	KSIII		120955	D	
2086	6 SCP	10 40 57.70	6 +55 20 40 10		09 -0.038			6.92			1	GM5		31906	OV	1
2089	V1351 CYG		6 -56 29 05.84		13 -0 - 135		2					A M		246271		
2090	NU TEL	17 59 47.16	4 -24 17 01.48	+0.0	0.009	5.35	1	5.87		1	۱,	FSII		186163 258946	.1	
2091	7 SGR		0 -80 23 19.00		95 -0 - 01		2	5.20	2	4.70	2	B5		212666		
2092 2093	ZET MIC	20 59 46.61	8 -38 49 41 15	-0.0	24 -0.11	5.35	1	1	- 1			DF2	1	190173		
2094	28 PHI CAP	21 12 47.29	3 -20 51 37.35		009 +0.004		_ ا		١,		1-	GG9		132591		
2095	55 ORI		3 -07 31 48.00		002 -0.00		2	5.15	2	4.32	2	B2V		233664		
2096	KAP DOR	1 04 43 35.68	8 -59 49 26.51		148 +0 -04				- 1			K3III		A0243	-1:	-
2097	33 ETA CNO	08 29 49.15	8 +20 36 44.72		032 -0.04				- [-	GSIV	1	42490	1	
2098	34 LYN	1 08 37 34.21	4 +46 00 39 49		22 +0 • 08		1.		1.			F2IIIP		248555		1
2099		1 02 23 29.94	8 -60 32 06.99	-0.0	088 -0-12		2	5.74			2	GG3		129959		
2100		02 29 36.56	3 -01 15 17.21	-0.0	020 -0.03	5 5.35	2	6.37	12	7.21	۲	963		1		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	HT. ASCEN. HR MN SEC	DECLINAT		P N	RA DEC PM PM	VISUAL MAG.	V N		B	Mre.	U N	SPECTRAL CLASS	S 14	SA0 017.10.	STAR PROP.	G
	05 -U Tall	03 43 00.821	+05 53 4	11.52		+0.0010 -0.007	5.35	2	5.24	2	4.63	5	B3V		111400	Ü	1
2101	20 -U TAU	01 59 00.799	-30 14 2	88.89		-0.0082 -0.105	5.35	2	6.23	2		l	G5111		103455		1
2102	PI FOR CAS	00 22 00 992	+61 33 1	15.31		+0.0016 +0.005	5.36		5.370				B8		11172		1
2103	12 CAS 57 PSC	00 45 55.721	+15 12 1	11.71		-0.0019 -0.040	5 - 36					1	GM4	l	92072 94744	Λ.5	
2104 2105	2 CAM	04 35 59.764	+53 22 3	36 - 89		+0.0054 -0.090	5•36						A5N		75723	D	1
2105	52 ARI	03 02 30.350	+25 03 4	43.21		+0.0002 -0.004	5 • 36	l l	5.340		l	١.	B7V		/1808	17	1
2107	22 LYN	07 26 U8.560	+49 46 4	40.59		+0.0118 -0.081	5 • 36	2	5.81	2	5.75	2	F6V		14456		2
2108	55 CAM	08 07 51.795	+68 37 2	25.96		+0.0002 +0.006	5.36		1 1 2				GBII		112904	1	-
2109	38 -N- 2 ORI	05 31 38.755	+03 44 (03.46		-0.0023 -0.018	5.36	2	5.41	2	5.48	2	A2		25681		ľ
2110	45 AUR	ne 17 42.473	+53 28 3	38 • 36		+0.0033 -0.093	5.36	2	5.79	2	5.91	2	F5III F0IV	i .	107298		
2111	5 PEG	21 35 24.935	J+19 p5 3	33.85		+0.0072 +0.015	5.36		C 1.00	1			ALV		89720	1	
2112	35 VUL	21 25 27.709	+27 23 2	24.01		+0.0032 +0.023	5.36		5.400	1	İ		AP		48601	1	1
2113	14 CYG	19 37 48.726	+42 42	06.22		+0.0016 +0.030	5.36		5.280	1		1	Â1		9250		
2114	50 DRA	18 4 59.715	+75 22	33 • 84		-0.0052 +0.076	5.36			1	1		DF7		244388	ח	1
2115	EPS- 2 ARA	16 59 08.596	-53 09	51 06		-0.0001 -0.143	5 • 36 5 • 36	1				1	B8	İ	226600		
2116	THE NOR	16 11 36.960	-47 14	47.68		-0.0031 -0.052 -0.0047 -0.043	5.36	Ι.				Į	GRIII		61636	l .	1
2117	43 LYN	09 38 54 884	+39 59	12.85		+0.0028 -0.055	5.36		1			1	KIIII	ŀ	204312	ļ .	1
2118	-R CEN	13 14 06.074	1-31 14	31.01	١.	-0.0066 -0.020	5.36			1		1	AO		45153		
2119	33 B00	14 36 58.529 13 37 34.434	1+44 3/	10.40		-0.0162 +0.056	5.36			1	1	1	A2	l .	28832		1 _
2 12 0	62 UMA	13 37 34.434 16 12 48.252	133 10	02.61	NE.	-0.0221 -0.080	5.367	1	100]	DF6+DG1	1	65165	υΛპ	5
2121	17 516 CHB	18 59 43.977	155 35	02.01	١,	-0.0025 -0.005	5.37	1		1			GG3 -		31323	1	1
2122	49 DRA	19 09 57.956	-08 n1	28.93		+0.0009 -0.007	5.37	1		1			B3TV		143134	٧?	1
2123	20 AGL	18 46 42 092	-20 22	59.A1		+0.0003 +0.036	5.37	1				1	GK4	1	187324	5V?	1
2124	29 SGR 84 VIR	13 40 32.775	+03 47	25.06		-0.0196 -0.074	5.37	2	6.47	2	7.52	2	K2III		120092	DV3	1
2125		12 27 37.655	+58 40	50.23	ļ .	-0.0083 +0.088	5.37	1	1				A5		28405		
2126	74 U.4A IOT CHA	09 25 53.343	-80 34	17.84		-0.0593 +0.126	5 - 37	2	5.81	2	5.85	12	GF2	1	258530	1	
2127 2128	B LMI	09 28 30 175	+35 19	31.32		-0.0046 -0.107	5.37			1.		1.	GM1	-	61540 118965	l v	.
2129	1 OME VIR	11 35 52.896	+08 24	40.36		-0.0007 +0.002	5.37	2	6.94	2	8.44	2	M4.5III	7	119156	1 "	
2130	7 -B VIR	11 57 23.194	+03 56	01.03		-0.0014 -0.014	5.37	2	5.37	2	5.37	2	A1		146023	1	
2131	46 RHO AUR	22 17 34.106	-08 g4	22.44		+0.0009 +0.002	5.37	2	5.31	2	4.94	2	B8V		127453	SVG	
2132	3t PLG	22 17 56 585	+05 32	15.23	ŀ	+0.0014 +0.004	5.37	2	5.35	2	4.88	2	B5III Ba	-	256497	D	
2133	KAP- 1 VOL	us 19 58.562	-71 21	20.90	١.	-0.0020 +0.026	5.37	2	5,31	2	5.00	2	KIIV		130408	D	1
2154	95 CET	03 15 48 72	01 06	39.98		+0.0165 -0.048	5.37	2	6.41	2	7.22	15	B6V		76613		
2135	72 TAU	04 24 17.800			1	+0.0005 -0.015	5.37	2	6.71	2	8.26	2	GK3		109152	٧?	
2136	41 -D PSC	00 18 01.31	7 +07 54	45.79	1	-0.0002 +0.014	5.37	2	6.25	2	0.20	-	GSIIT		248324		
2137	IOT TUC		2 -62 02	31.21	١.	+0.0111 -0.005	5.38	12	5.330				BOV		54374	1	1
2130	69 516 PSC	01 00 04.34	+31 32	10.89	1	+0.0011 -0.023	5.38		5.360				B9.5V		76573	- D	
2139	59 CHI TAU		+ 1+25 30	46.87		+0.0027 -0.039	5.38		1		1	1	KOIII-IV	1	25947	1	-1
2140	13 LYN		159 70	27.68		-0.0006 -0.040	5.38		1	1			GG0	-	26012	מ	1
2141	14 LYN		1 -60 20	42-07	1	-0.0026 +0.199	5.38	2	6.35	2	7.02	2	GG5	1	249550		
2142	P1 - 2 DcR		117 12	43.75		-0.0003 -0.007	5.38	1					GF4		94858	1	
2143	130 TAU		33 /1	50.28	1	+0.0009 -0.025	5.38		5.180	7	1		AOP	4	57894	V	
2144	IO AUR		112 06	03.97	1	-0.0002 -0.007	1	1	5.270) ·			B7IV	1	94063		1
2145	93 -C- 2 TAU		1+45 ng	00.36	1	+0.0045 +0.010	5.38	5	6.97	2	8.21	2	GM4E		51079	V	
2146	W CYG		6 450 00	35.14	1	-0.0001 +0.007		1	1	- 1		1	B2V	1	32809	D	
2147	51 CYG		2 +38 16	30.61		-0.0023 -0.068		1	5.410				A3V	1	70056	V	
2148	40 CYG		5 - 39 18	12.87	1	-0.0028 -0.005	5.38	2				1	NB		201533	0	
2149 2150	7 MU LIE		5 -13 56	30.44		-0.0044 -0.019			5.441	0 [1 -		A PHAP	ı	158821	1 "	- [

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

	STAR	RT. ASCEN.	DECLINATION P	RA	DEC PM	1.0-01-	V	BLUE MAG.	B	υν ΜΑ G •	U N	SPECTRAL CLASS	8	SA7	STAR PROP.	G
NUMBER	DESIGNATION	HR MN SEC	DEG MN SEC N	PM	rm .	I I'AG.		14404	-					1005/2		\vdash
.15.	15 SGR	18 12 13.877	-20 44 41.67	+0.0002	+0.002	5.38	2	5.45	2	4.58	5	Bnta		196543		
2151	"	19 14 02.486	+04 44 42.26	+0.0008	-0.015	5.38						A2		105471		1 1
2152	1 -	19 55 29.144	+16 39 11.54	+0.0007		5.38		5.310				BOIV		206597	n i	1 1
2153	11 SGE UPS LuP	15 21 28.446	-39 32 00 41	-0.0033		5.38				. 70	2	AOSI GBIII		159411	V?	1 1
2155	41 LIB	15 36 01 533	-19 ₀ 8 19•16	+0.0059		5.38	2		2	6.78 4.99	2	56M3		45788		1 1
2156	2 HER	15 52 57.713	+43 16 59•72	-0.0034		5.38	2			H.99	-	AOP	6	29628	. V	
2157	BP B00	15 41 28.985	[+52 31 04·72]	-0.0075		5.39		5.330		. 04	2	B8	1 ''	140740		1 1
2158	25 A- 2 SCP	15 43 30.243	-01 38 56 29	-0.0020		5.39	2	5.36	2	4.96	٢	G51112+F2	•	102691	ח	1 1
2159	64 ALP- 2 HER	17 12 22.274	1+14 25 43.71	-0.0003		5+39						Killi	1	185238	ŋ	1 1
2160	39 OMI- 2 OPH	17 14 57.520	-24 14 03.53	-0.0039		5•39 5•39	2	6.01	2	6.08	2	GS V		65963	יעם ?	1 1
2161	72 -W HER	17 18 47.160	+32 31 51.06	+0.0100		5.39	۲	0.111	1-	0.110	[-	GM4		105522	עמ	1. 1
2162	13 VZ SGE	19 57 47.758	+17 22 43.03	+0.0002		5.39			1		1	GSIII	.	182882	1	
2163	56 HYA	14 44 49.286	-25 52 44.62		-0.009 -0.015	5.39				1, 1	1	GG8		B2421		
2164	26 COM	12 36 38.080	421 20 14.11		+0.001	5.39	2	6.33	2	6,99	2	GG7		118831		
2165	79 LE0	11 21 28.316	+01 40 57+05		+0.000	5.39	-	5.270			1	B8		164286	1	1.
2166	30 CAP	21 15 09 100	-18 11 44.64		-0.006	5.39	2	5.31	2	5.02	2	B8	1	128007		1 /
2167	58 PEG	23 07 30 263	+09 33 02.54 -49 13 16.97		+0.026	5.39	2	5.81	2	1	1	DF4	1	217140	5	1 7
2168	ETA- 1 PIC	05 01 30.004	+09 57 44.32		-0.063		2	5.49	2	5.58	2	A2		113675	D	1 /
2169	75 -L ORI	07 04 19 773	-11 12 56 53		-0.008	5.39	2	5.44	2	4.60	2	BO.5IV	1	152394	DV	1 /
2170	FN CMA	100 53 51 783	+33 06 14.89		-0.072	5.39	ļ		1		1	A3	1	61146		1 /
2171		00 47 44.149	-28 08 54 38		+0.032	5.39	2	5.41	2		_	A1	1	168082		
2172	GAM- 2 FOR	00 40 20 682	-65 44 33.03	+0.0094	+0.048	5.39	2	5.89	2	5.91	2	DF5	1	74084	0	1 .
2173		00 29 57.890	+20 01 09.15	+0.0095	-0.041	5.40	1	6.470			1	GKO		166083	D	1 '
2175	52 PSC KAP- 1 SCL	nn 05 48.219	-28 15 57.79		+0.001	5.40		5.820)	1		DF2	1	76485	V	1 . '
2176	44 -P TAU	04 07 46.846	+26 21 07·73		-0.036	5.40	1	1	1.		1	DF3 BOIII	1	24672	0	- '
2177	I CAM	04 28 03.574	+53 48 15 94		0.001	5.40			1.	1	1	AM	1	14500	"	'
2178	Z A UMA	l na 30 08.936	+65 19 03·83		-0.066	5.40	1	5.29	2	4.91	2	Beiv	1	256344	i	1
2179	TUT VOL	16 52 01.688	-70 54 05 41		+0.018	5.40	2	5.750			1	F1V	1	152724	ł v	
2180	R CMA	07 17 12.307	-16 17 59.94		0.134	5.4		7.32		"		CM1	1	198764	٧.	1
2181	MZ PUP	08 02 19.176	-32 31 56.35		10.002	5.40	1	5.820				GO		5912B	V	1
2182	48 RT AUR	06 25 21.251	+30 31 33 • 15		2 -0.014	5.4	1	7.00	' '	1 .	1	GM8E		77730	V	i
2183	U OqI	05 52 51.005	+20 10 06 19		-0.015	5.40	2	6.31	2	6.87	2	GBIV		127993		
2184	5 A PSC	23 06 07.193	+01 51 18 97		5 +0.111 3 -0.015	5.40	1		1	•••	1	B7	4.4	19432	1	
2185	7 CEP	21 26 48.310	+66 35 26 39		+0.076	5.40			1		1	KSIII	1.	18700		1
2186	66 DRA	20 04 45 227	+61 50 59.76		+0.000	5.4	1	5.87	7		1	F518	1	A9216	_ V	1
2187	T VUL		+28 03 43.75		+0.011	5.40	1	5.200			1	B1VE	1	50359	, D,	1
2188	60 CYG	20 59 20.004	+45 57 31 • 35 -61 18 14 • 15		+0.070	5.4						GK5E		250840	V	1
2189	S CAR	10 53 44 010	+16 30 03.99		2 -0.003		1	6.200			1	F6IB	-1	105436	1 -	
2190	10 S SGE	19 56 01-162	+17 17 32.43		3 -0.007	5.40		6.060			1	F5		104296	יעם ע	1
2191	FF AQL Y SGR		-18 53 02.76		7 -0.010	5.40	1	6.20			1_	F5P		161376	V	1
2192	15 RHO CRB	15 59 07 834	+33 27 12-17		9 -0.768	5.40	2				2	G2V		65024 159466		
2193 2194	44 ETA LIB	15 41 15.348	-15 30 53.77	-0.002	5 -0.067	5.41	2		2			A5M	1	257491	DV3	
2194	IOT APS	17 16 30 473	5 -70 04 26•01		8 -0.015	5.41	2				2	B8		117717	D	
2196		n9 25 46.858	3 +09 16 32 01		6 -0.007	5.41	2				2	DF8		61586	D	-
2197	11 LMI	ng 32 39.993	1 +36 02 14.72		2 -0 - 248	5.41	5	6.18	2	6,62	5	GBIV-V	1	98733	1	
2198		1 00 41 00 637	7 +14 15 05+06		2 -0.007		1.	1	1_	5 70	12	GM2 F5IV-V		100975	1 .	'
2199		14 16 50.980) +13 14 02•67		2 -0.035		2				2	KOIII	1	225062	ס	
2200	■ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	14 34 02.92	45 55 00 95	-0.001	4 -0.023	5.41	2	10.41	٦	1.12	1-	NOTA-				

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION		DECLINATION F	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N	MVC.	U N	SPECTRAL CLASS	N .	5A0 C.T.NO.	STAR PROP.	G N
-204	FIG. BAY	20 44 35.935	-68 57 40 -51	-0.012	2 -0.052	5.41	2	6.53	2	7.62	2	GK0		254871		
2201	51G PAV	23 22 23.656			1 +0.004	5.41		5.290	1 : 1			B9III	-	73241		
2202	67 PEG	05 05 03.623			1 -0.003	5.41				- F		B2V		76974	Ü.	
2204	45 GEM	07 05 29.997	+16 00 44 16		5 -0.102	5.41			1 1		Ì	GG8		96535	Ü	Į
2205	83 TAU	04 27 48.251	+13 37 02 18	+0.00	2 -0.021	5.41	2	5.67	2	5.77	S	DF1		93979	l .	
2206	IOT HOR		-51 00 55 10	+0.034	9 +0.229	5.41	2	5.97	2		1	G3TV		232864	ł	
2207	23 CAS	00 44 23.326	+74 34 29.87	+0.004	1 -0.002	5.41		5.330				B8		4226	1	
2208	39 CET	u1 14 03.832	-02 45 46.70	-0.00	2 -0.059	5.41	2	6.31	2	6.75	2	665		129204	בעת	
2209	46 CAS	01 34 28 470	+72 47 10.46	-0.00	4 -0.009	5.41				1.5	1	GRII-III		4453	100	ļ
2210	57 CET	01 57 24.985	-21 04 00.26	+0.000	3 +0.023	5.41		7.040			1	GM1		167466 74192	D.	
2211	55 PSC		+21 09 51.71	+0.00	20 -0.030	5.42	l	1 1 1			1	KOII-III		129858	' ·	1
2212	70 CET	02 19 39.354	-01 06 42.00		8 -0.050	5.42	2	5.73	2	5,83	2	A5		20869	202	
2213	6 CAS	23 46 23.239	+61 56 11.81		18 +0.005	5.42	2	6.08	2	6.06	2	ASIA		100129	/ /	1
2214	3 PSA	21 10 19 673	-27 49 28.35		74 -0 - 116	5.42	2	6.84	2		1	K5III GM2		49741	VP	1
2215	46 OME- 2 CYG		+49 03 02.97		8 -0.026	5.42	ŀ	5.340	1		. 1.1	B9V		88903		1
2216	27 VuL		+26 17 12.96		10 -0.005	5.42						BaV		100822	ח	
2217	12 ETA P5A		-28 41 39.91		3 +0.010	5.42	2	5.32	2	1 1		B3VNF		252965	ח	
2218	THE CIR	14 52 41.002	-62 34 45.96		06 -0.004	5.42	١,	E 77	12	5.80	3	FOILI		258515	1.	1
2219	ZET OCT	09 04 20.783	-85 27 58 13		2 +0.033	5.42	2	5.73	2	5.34	2	AO		118731	1	1
2220	69 -P- 5 LEO	11 11 11.950	+00 12 09.95		1 -0.006	5.42	2	3.39	2	5.34	1	GK1		46838	1	1
2221	62 -Y HER	17 35 19.066	+48 36 50 00		26 +0.064	5.42	2	5.42	2	5.35	2	An		142959		1
2222	14 -G AQL	19 00 16.464	-03 46 22.86		13 +0 • 007	5.42	-	3.44	٢	3.33	1-	GK5		185350		1
2223	43 OPH	17 20 12 591	-28 p5 46.83		0.032	5.43	1				1	669		64870	1	
2224	9 PI CRB	15 42 00.960	+32 40 21 41		27 -0.013	5.43	l	5.600			1 -	A5V		81485	n ·	1
2225	LMI LMI	10 40 17.337	+26 35 19 14		78 -0.067 28 -0.013	5.43	1	3.000		1		GK1		98456		1
2226	82 PI C1C	09 12 28 346	+15 09 00 • 14		10 -0.127	5.43	1				1	GG5		42876	1	1
2227	LYN	09 25 23.853	+45 49 18 84		31 -0.007	5.43						AOSI		28803	1	-1
2228	81 UMA	13 32 12.006	+55 36 15 08		01 -0.004	5.43		5.410	1			BIIVE		A8580		1
2229	25 VUL	20 19 54.342	+24 17 07 • 72		56 -0.066	5.43	2	6.41	12	7.24	2	GK1	į	127881	ח	1
2230	2 PSC	22 56 53.637	+00 41 43 - 79		85 +0.015	5.43	2		2		2	F2V		146498	D	1
2231	63 -H- 1 AGR	23 02 33.367	-07 57 50 40 +14 52 38 06		22 -0.024	5.43	1-	5.330				B7V		93144		
2232	43 516 ARI	02 48 43 655	-00 06 42.26		49 +0.021	5.43	2		2	5.70	2	A34		129655		
2233	60 CET		-38 42 27.65		25 +0.019	5,43	2		2		1	BSIV		198045		-
2234			+09 46 01.19		42 -0.005	5.43	2		2	5.82	2	AM		112467	1	
2235	16 -H ORI	05 05 37 777	+30 27 52.83		14 -0.009	5.43		5.840)		i	G5111?+A3	1	58280	DV?	
2236	26 AUR 25 CET		-05 06 12.94		75 -0.102	5.44	2	6.55	2	7,59	2	KOIII-IV	1	129094		
2237			+63 55 04.66		14 +0.005	5.44	1	5.420)			B8		10978		
2238	10 CAS 37 ERI	00 03 45.030	-07 03 11.61		06 -0.012	5.44	2	6.38	2	7.05	2	GG6		131001		1
2239		21 45 56-671	+60 27 36.67		14 +0.005	5.44	1			ł		GM1		19642	1	ı
2240 2241	12 CEP 87 VIR	13 44 41.863	-17 36 37 17		39 -0 - 039	5.44	2	7.05	2	8.98	2	MITTI		158165	1	
2242	12 LIB	14 51 25.503		-0.00	07 -0.031	5.44	1		1		1_	GK2	l _	182983	V	1
2243	BG CRU	12 28 51.856	• • • • • • • • • • • • • • • • • • •	-0.00	18 -0.008	5.44		6.01	7	6.37	7	F5IR-GOP	7	240027	"	j
2244	C- 3 CEN			-0.00	74 +0.024	5 • 44	2	6.68	2	1	1	GK2		222917	1	
2245		18 27 04.776		+0.00	20 -0.033			1	1_	1:		KOIII	1	142348 85545	- v	
2246	89 V 441 HER				02 +0.007		2	5.79	2	6.06	2	F2IA		-	D D	
2247	54 5GR	4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			47 -0.045		L		1	1	1	KZIII		162883	, D	
2248			+38 05 25-28		29 +0.079		2		2	5.81	2	F2			D	1
2249	■ 1 × 1 ▼ 1				14 -0.013		2	5,55	2			A3VN	1	226650	1 "	
2250			+19 09 20 - 39	1+0.00	68 -0.043	5.45		-1		1	1.	GK3	1	99281		1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DECLINATION P	RA PM	DEC PM		N	BLUE MAG.	B N	UV MAG.	N	SPECTRAL CLASS	S N	SAN CAT.NO.	STAR PROP.	G N
		10 51 10.905	-01 61 46.93	-0.0058	+0.009	5.45	2	6.41	2	7.18	2	GG6		137871		
2251	-P- 1 LEO	09 46 21.206	-76 32 34.41	+0.0297	1	5.45	2	6,34	2	6.91	2	KΩ		256658	٧?	1
2252	NU CHA	13 20 20.138	-17 28 26 35	-0.0035		5.45			! !			KOIII	l	157899 190985	V:	
2253	63 VIR	22 11 28.964	-28 nO 56.11	+0.0021		5 • 45		5.340	1 1			BSIII	1	190985	C	l
2254	16 LAM PSA	22 11 32.452	-21 19 25.50	+0.0011	+0.069	5.45	1			100	1	KOIII		168183	.,	1
2255	41 AQR	02 55 10.270	-24 n3 41.80	+0.0069	-0.027	5.45	2	5.68	2			A4		4875	200	
2256	4 ERI	03 13 53.961	+77 33 14.61	+0.0201	-0.055	5 • 45	2	5.64	2	5,75	2	A4N		55697	DA3	
2257		02 32 44.239	+34 28 14.37	+0.0024	-0.046	5.45	1				1 1	GM3		74359	DV?	1
2258	I = -	00 52 17.076	+23 21 28.90	+0.0095	-0.026	5.45					1 1	GGK1		248281	Ď	
2259	LAM- 2 TUC	00 53 08.641	-69 47 50.02	+0.0021	-0.041	5 • 45	2	6.54	2	7.54	2	GTIII		233926	.	
2260	ZET PIC	05 18 08.388	-50 39 32.36	+0.0017	+0.228	5.45	2	5.96	2			FAIII	1	13772	ļ ·	1
2261		ne 11 11.137	+60 00 56 59	+0.0046	-0.020	5.45			1.			GK3	١.	256355	1	1
2262	THE MEN	06 59 45 989	-79 21 01.00	-0.0032	-0.002	5.45	5	5.50	2	5.43	2	AO ABN		134316	V	1
2263	21 MON	07 08 50.243	-00 13 04.59		-0.013	5.46	5	5.75	2	5.89	-			61177		
2264 2265	64 SIG- 3 CNC	ns 56 28.705	+32 36 50·89		-0.039	5.46	_	E . 7	12	5.33	2	GG9 A P		80595		1
2266	69 NU CNC	08 59 49.072	+24 39 03+46		-0.007	5.46	2	5.43	2	7.25	2	666	1	136622		
2267	20 HYA	09 07 08.810	-08 35 01.37		-0.015	5.46	2	6.47	7	1.25	١	B1VPE	6	151401	DV	
2268	FR CMA	ns 19 04.808	-11 44 55.60		-0.007	5.46		5.45 5.440	1	1	1	AOIII	1	94426	1	
2269	18 0RI	n5 13 17.327	+11 17 12.31		-0.009	5.46	٦			0.07	2	B1.5V		112861	ם	ļ
2270	33 -N- 1 ORI	65 28 36.990	+03 15 20 92		+0.004	5.46	2	5.29	2	4.47	٦	GOIB		38289	1	Ì
2271	14 PER	02 40 49.110	+44 05 09.02		-0.004	5.46					1	MIIII?	İ	4810	ס	Į.
2272	47 CEP	02 59 21.230	+79 13 26 34		+0.012	5.46	١,	5.42	2	5.09	2	BTIV		76126		1
2273	16 TAU	1 13 41 49 528	+24 08 01.54		-0.043	5.46	2	5.340		7.07	1	B6III?		164910	1	
2274	38 -E AUR	22 07 57.179	-11 48 41-98		+0.012	5.46	١.	3.340	'	1	1	K311	1	163445	i	
2275	7 SIG CAP	20 16 30.618	-19 16 33.69		-0.006	5.46			1		1	G9111	1.	3408		-
2276	75 DRA	20 31 28.005	+81 15 11 - 50		+0.018	5.46	2	5.83	2	5.24	2	B0.51B		20075	1	1
2277	26 CEP	22 25 28.567	+64 52 37 • 17		+0.003	5.46	16	2.00	٦	3.67	-	GK5		15902		
2278	7 DRA	12 45 32.195	+67 03 46 82		2 -0.007	5.46	2	6.48	2	7.27	5	KOIII		258654	ם י	- 1
2279	IOT OCT	12 49 30.427	-84 51 08 65		+0.025	5.46	2		12	5.61	ĺž	AP		82346	V	ł
2280	21 UU COM	12 28 30.830	+24 50 35.98		9 -0.013	5.46	2	5.52	2	""	1	A2		180546		
2281	3 CRV	12 08 29.091	-23 19 26 24		7 -0 -021	5.46	2	5.80	2	1000	1	ABN	1	139736	1	
2282	95 VIR	14 04 03 906	-09 04 32 68		6 +0 • 006	5.46	۱۴	3,00	٦	1		F2		8961		
2283	34 DRA	17 56 02.907	+72 00 37.92		2 +0.003	5.47	1	5.47	nΙ	1		В8	1	124089		
2284	64 SCA	18 54 45.652	+02 28 05 27		5 -0.011 4 +0.032	5.47	2	5.49		5.53	2	AO		257584	1	
2285	PHI OCT	18 16 52.945	-75 04 08 55		0 -0.001	5.47	2				2	FO		258857		
2286	SIG OCT	20 15 03.002	-89 08 18-48		7 -0.010	5.47	1	5.44		1		B9		120642	1	.]
2267	108 VIR		+00 55 38-42		7 -0.001	5.47	2			5.08	2	B9	1	136728	1	-
2288	24 HYA		-08 32 06 30		3 -0.007	5.47	2				2	K2	1	256634	1	i
2289	H CAR	1	72 51 32.55		7 -0.069		1				1.	GG4	1	99282	1_	-
2290	52 -K LEC	10 43 46.476	+14 27 33.03		3 -0.034		2	6.42	2	7.16	2	GG8		258592	l D	1
2291	DEL- 1 CHA	10 44 48 860	-80 12 19.79		6 -0.038		1	1		1	1	A7N	1	43837	1	- 1
2292	59 UMA		+43 54 10 · 14 + +15 55 30 · 08		6 -0.004	1	1	5.57	0			A3V	1	99869	1	1
2293	95 -0 LEC		5 +32 18 58 18		7 -0.010			5.37	0			B9V		72406	1.5	- 1
2294	38 PEG		7 -39 23 07.96		1 -0.164		2	6.42	2			GOIII		213850	D	
2295	NU GRL		+ +37 54 38 68		9 -0.198		1.		-1		1_	DF7	1	57006	ו ח	
2296	50 PLF		5 +43 50 34 19		0 -0.026		2			5.07	2	B8V	-	38704	l 6	
2297	30 PEF		2 +10 52 03-14		7 +0.002			5.41	0		1	B8V		91750	P	- 1
2298			6 +54 54 03.02		4 -0.003		- 1			1		B2V	1	22690		
2299	1 PEF	(01 40 41.35)	3 +15 50 01.13		4 -0.022			5.48	a l	1	- 1	B9V	- 1	94566		1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P		DEC PM	VISUAL MAG.	> 2	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	5 N	SAN CAT.NO.	STAR PROP.	G N
2301	ETA MEN	04 56 36.505	-75 00 52.73	+0.00	2 +0.058	5.47	2	6.99	2	8.81	2	K6TII		256145		
2302	KAP MEN		-79 22 19.42	-0.00	3 +0.066	5.47	2	5.39	2	5.15	2	B9		256248		1
2303	27 OMI AUR	05 42 01.442	+49 48 24.60	-0.00	0 +0 • 000	5.47	2	5.50	2		2	A P		40593		
2304	ETA CHA	08 43 04 655	-78 46 57.76	-0.00	8 +0.021	5.47	2	5.37	2	5.02	2	B9IV		256543		ì
2305	57 10T- 2 CNC		+30 46 12 40	+0.00	0.023	5.47						GG7		61125	٠,٠	
2306	FY CMA		-22 59 02.77	-0.00	2 +0.001	5.48		5.34	7			BOIV-VPE	7	173752	٧	
2307	P1 - 2 CoL		-42 08 42.46	-0.00	6 -0.014	5.48		10.1		, i		AO		217730		
2308	28 GEM		+29 01 24.11	-0.00	6 -0.027	5.48						GK4		78692	۷۶	1.
2309	55 A _N D		+40 29 02.26	-0.00	5 +0.001	5.48	1 1		1			GK1	١.	37587		
2310	50 CET	01 33 32.584	-15 39 19.02	+0.00	9 +0.020	5.48						K2III	1	147901	1	
2311	86 PEG		+13 07 05 39	+0.00	1 +0.005	5.48	l l			1. 5.		665		01701		
2312	87 PEG		+17 56 02.94	+0.00	0.020	5.48	1 1	1000	1			669	1	91734	1	
2313	B1 TAU		+15 35 05.33	+0.00	71 -0.022	5.48	2	5.74	2	5.84	2	A7M	l	93978		1
2314	30 ERI	03 50 13.259	-05 30 33.52	-0.00	11 -0.009	5.48	2	5.38	2	4.97	2	B8	1	130789	D	1
2315	77 CYG	21 40 21.989	+40 50 53 19	+0.00	16 +0.007	5•48			1	l .	_	A0		51207	D.	1
2310	37 PEG	22 27 26 247	+04 10 37.65	-0.00	17 -0-139	5.48	2	5.86	2	5,95	2	F5TV		127551		1
2317	EW LAC	22 54 51.568	+48 24 59.85	+0.00	15 +0.000	5.48		5.420				B2?PE	ŀ	52526	V 72	1.
2318	14 B00	14 11 40.773	+13 11 35-16	-0.01	76 -0.055	5.48					i.	DF6		100925	٠,٠	1
2319	18 COM		+24 23 06.44		23 -0.005	5.48	2	5.91	2	6.00	2	F5IV		82333	1	1
2320	21 -Q VIR	12 31 11.720	-09 10 35 01		57 +0 • 001	5.48	2	5.45	2	5.35	2	A0		138845	1:	1
2321	9 HER	16 10 46.847	+05 08 50 90		28 -0.009	5.48			1			GK5	1	121431 8446	1.	1
2322	19 UMI	16 12 13.173	+76 00 15.27		19 +0.012	5.48	1	5.330	1			B8		65290	1	
2323	25 HER	16 23 37 - 134	+37 30 24 63		02 -0.012	5.48						A3		208232		1
2324	27 SCO	16 53 55.283	-33 10 55.16		06 -0.006	5.48	2	7.07	15			K5 F8V	1	159625		
2325	49 LIB	15 57 30.952	-16 23 15.25		42 -0.396	5.48	2	6.00	2	6.02	2	1 77	}	257289	l n	
2326	KAP- 1 APS		73 13 07 26		08 -0.019	5.49	2	5.37	2	4.61	2	B3IV A M	1	121895	V.≥	
2327	47 -K HER		+07 19 57.13		34 -0.012	5.49	2	5.59	2	5.70	۲,	1 11 1		141024	1 ''	1
2328	16 SCO	16 09 24.502			26 -0.001	5,49	1.		1		٦	A3		141066	DV3	ł
2329	18 Sc0		-08 14 19 23		54 -0.505	5.49	2	6.14	2	6.31	2	DG1 B9	l	143292	100.	1
2330	27 -D AGL	19 18 00.843			02 +0.007	5.49	2	5.45	2	5.22	12	1 -		229299		1
2331	ETA- 1 CRA	18 45 14.049			22 -0.017	5.49	2	5.62	2		1	A2 G0	1	254157	1	1
2532	IOT PAV		2 -62 00 54.61		10 +0.225	5.49	2	6.07	1 .	5 50	2	A2		122526	D.	
2333	53 -F- 2 OPH		7 +09 37 08+37		02 -0.008	5.49	2	5.51	2	5,52	12	56G4		29165	1 "	
2334	∠4 - G BoO	14 26 53.392			22 -0.049	5.49	1	5.400	1.		l	AP		28885		
2335	84 UMA		+54 40 55 31		27 -0.004	5.49	٦		3		2	KZIII		258970	!	1
2336	TAU OCT	23 21 22.170			25 +0.011	5.49	2	6.76	2	8.19	-	AIV		108732	D	1
2337	75 PEG		7 +18 07 24 - 71		34 +0.024	5.49	1.	5.460		1	2	GBIII	1	146915		1
2338	20 PSC	23 45 22.259	03 02 22 61		62 +0.010	5.49	2	6.43	2	7.13	10	IIIPA		164364	V2	1
2339	18 AQR	21 21 27.648	3 -13 05 37.46		60 +0.009	5.49	2	5.78	2	8.40	2	K311-111	1	88330	1	1
2340	19 VUL		3 +26 39 31.53		04 -0.007	5.49	2	0.90	14	10.40	12	GK1	1	93785		
2341	43 TAU		9 +19 28 43.16		76 -0.030	5.49			1		1	GK5	1	193944		1
2342	ETA- 3 FOR		35 52 50 71		01 -0.057	5.49		5.380	1			B6		92932		1
2343	24 XI ARI		8 +10 23 06 91		13 -0.009	5.49	1	5.750				AM	1.	54655		1
2344	47 AND		3 +37 27 16 74		66 -0.013	5.49	1	5.390			1	88	1	11617	V	1
2345	32 RU CAS		2 +64 45 12.98		39 -0.010	5.49	1	3.370		1		665	1	60243	l n	1
2346	70 GEM	07 35 16.12	7 +35 09 44 62		30 +0.027	5.49	1.	5.55	2		1	A2	1	220531	"	
2347	-H VEL		1 -40 07 59.83		13 -0.017	5.49	2		2	5.448	2	B9V	1	66000	l n	
2348	75 RHO- 1 HER		1 +37 11 29 680		38 +0+003	5.498	7 2	5.498	2	7.440	15	K3111	1	159793		1
2349	17 CHI SCO		6 -11 42 41.93		09 -0.010	5.50	12	5.36	2			B2VNN	1	159335		
2350	35 ZET LIB	15 30 05.43	5 -16 41 04.86	-0.00	09 -0.018	5.50	2	2.30	14			DETINIT	1	1,5000	1	L

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	N		B N	MAG.	N	SPECTRAL CLASS	S N	SAN CAT.NO.	STAR PROP.	G N
		18 19 01.413	+29 50 02.32	+0.0009	+0.057	5.50		5.720				A M		85956		
2351	1u8 HER	19 03 57.671	108 09 10.25	+0.0002		5.5		7.5			1	GM7F		124266	٧	
2352	R AQL	19 03 37 671	+15 53 22.93	+0.0001		5.50		5.370				BSII-III	1	105615		132
2353	14 5GE	20 01 12.005	+12 49 15.71	-0.0018		5.50	2	7.10	2	9.02	2	TITEM	7	97819	l v	
2354	27 BP CNC	00 10 25 576	-46 29 36.76	-0.0006		5.50		6.100	1 1		1 1	F8P		219587	V	
2355	AH VEL	02 00 02-186	+33 02 38 48	-0.0013		5.50	2	5.53	2	5.59	2	AZIII		55218	D	
2356	3 EPS TRI SIG SCL	01 00 03.237	-31 49 14.89	+0.0060		5.50	2	5.58	2		1 1	VSA		192884		
2357	81 PSI- 3 PSC	01 07 08 495	+19 23 32.33	-0.0004	+0.013	5.50					1 1	GF5		92293	1	1.
2358 2359	46 RHO ARI	02 53 36.479	+17 49 30.02	+0.0193	-0.207	5.50						DF5	١.	93195	V?	1
2359 2360	-B- 2 PER	04 10 23.644	+50 48 05.63	+0.0006	-0.002	5.50			1 1		1 1	BZIV	i	24544	V-	i
2361	36 CYG	20 16 36 103	+36 50 32.51	+0.0028	+0.027	5.50		5.560				A3V	1	69803	V?	
2362	51 PEG	22 55 00.357	+20 30 01.00	+0.0145	+0.063	5.50	2	6.17	2	6.37	2	G5V	١	90896	l v	
2363	RR Sc0	16 53 26.307	-30 30 08 28	+0.0007	-0.023	5.5	4					M6E	4	2n8221 257112	V	1
2364	THE APS	14 00 23.288	-76 33 24.73	-0.0249		5.5	۱ ا		1.			M4		25/112	ľ	- 1
2365	T UMA	12 34 07.200	+59 45 43.32	-0.0037	-0.015	5.5	١. ا					GM4E	1	221355	1 °	1
2366	-Y VEL	09 36 04 084	-42 57 52 13	+0.0022		5.50	2	6.50	2	7.17	2	GG6		99034		1
2367	37 LE0	10 13 59.806	+13 58 42.16	-0.0015		5.51			ا ا			GM1		252162	D :	
2368	THE MUS	13 04 52.075	-65 02 21.47		-0.015	5.51	2	5.49	2	4.62	2	BOI2+WC6		258020	1 "	
2369	PSI OCT	22 13 02.861	-77 45 42 41		+0.013	5.51	2	5.82	2	5,94	2	AGIV	1	90065		
2370	15 PEG	21 50 15.806	+28 33 31 • 24	-0.0046		5.51	١. '	١				DF0		129752	n	1
2371	66 CET	02 10 14.099	-02 37 35.38	+0.0244		5.51	2	6.09	2	6.18	2	DF9	1	129798	1 "	
2372	b7 CET	12 14 29.251	-06 39 05.98		-0.105	5.51	2	6.47	2	7.22	2	GBIII GM5		129624	V	1
2373	AR CET	01 57 57.839	-08 45 54 • 46		-0.007	5.51	2	7.03	2	8.36		B9		248167	'	
2374	PI TUC	00 18 20.648	-69 54 08 81		+0.000	5.51	2	5.46	2	5.32	2	AP	1	78571	1	1
2375	53 AUR	06 35 12.754	+29 01 44.55		-0.022	5.51		5.500 5.38		, 02	12	B9		131614	1	
2376	62 -B ERI	04 53 56.292	-05 14 56 71		-0.006	5.51	2	6.15	2	4.82	1	DG1	Ì	149888	1	1
2377	58 ERI	04 45 21.453	-17 01 28.54		+0.171	5.51	5	0.12	۲			AO	1	24904	1 p	
2378	5 CAM	04 50 57.347	+55 10 44.56		-0.006	5.51	2	6.97	2	8.65	2	K4111	-	85344		1
2379	B3 HER	17 40 25.238	+24 35 16.75		-0.105	5.51	12	0.97	16	0.03	١٣.	B3	1	67537	V?	
2380	11 DEL- 1 LYR	18 51 58 672	+36 54 29 15		-0.003	5.51	2	6.53	2	7.30	2	KOIII		A3768		1
2381	1 OMI CRB	15 18 04.325	+29 47 47 25		-0.049	5.51	1	0.33	15	1.00		GM4		29874	V.	l" -
2382	AT DRA	16 16 24.952	+59 52 32-55		+0.023	5.51	2	5.56	2	5.59	2	AO	1	121911	D.	1
2383	21 OPH	16 48 52.612	+01 17 59•36		-0.006	5.52	2	6.45	2	7.18	2	669		253614		i
2384	THE TRA		-65 23 32 26		-0.042	5.52	15	5.470		1.20	-	B8	1	121676		
2385	28 -N HER	16 30 07.906	+05 37 34 43		+0.002	5.52	2	6.58	2	7.44	2	GKO		125403		1
2386	63 TAU AQL	20 01 41.745	+07 08 07.87		+0.017	5.52	-	"""	-			A2	1	143678	ח	
2387	45 AQL	19 38 08-772	-00 44 18 60		-0.050	5.52				1	1	DF1		143621	1	
2388	42 AQL	19 35 08.149	-04 45 38 28	-0.000	+0.001	5.52	ŀ	1	1	1000		A5	1	>6756		1
2389	29 LYN	08 13 42.052	+59 43 35.42		+0.055	5.52	1	1		1	1	DF5		153414	D	- 1
2390	5 A PUP		-12 04 07.99		7 -0.027	5.52	1			1		GG9		92080		
2391	58 PSC		+11 42 05.50		-0.098	5.52		1	1		1	DF7		215157	1	
2392	LAM- 2 PHE	07 17 00 05	6 -48 16 29.40 7 -77 34 17.51		+0.066	5 - 52	2	5.96	2	5.96	2	F2	1	255973	1	ļ
2393	IOT HYI	00 20 27 //34	778 34 03.35		-0.016	5.52				1		A2	1	10402		
2394	29 RHO CEP	10 40 16 051	+59 35 09 85		-0.057	5.52				1	-	GK2	. 1	27793	1 -	
2395	42 UMA	11 04 21 16	+02 13 38.29		-0.089	5.52	2	6.48	2	7.14	2	\$GG7		118668	D	.
2396	65 -P- 4 LEO	10 30 39 694	+35 14 48 44		5 -0.011	5.53	1	5.550)		1	VSA	1	62121	1	
2397	34 LMI	10 00 08.75	-81 58 22-94		2 +0.032	5.53	2	5,56	2	5,61	2	A0		258554	1	
2398	MU CHA	21 46 35-52	-69 51 48 68		1 -0-004	5.53	2	6.90	2	8.53	2	KSIII	1	2550A7		-
2399		21 70 00002	+26 45 17.63		+0.016	5.53	12	5.61	12	5.74	12	ASIII	1	B8295	1 .	- 1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F	1	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	MVe.	N	SPECTRAL CLASS	S N	5A0 C-T-10-	STAR PROP.	G N
		20 42 33.850	+66 28 31.53	+0.0037	+0.039	5.53						AS		10004		
2401			-05 22 15.47		-0.006	5.53	2	5.38	2	4.81	2	BR	İ	130652		i
2402	22 ERI	03 02 06.283	-72 05 51.69		+0.019	5.53	2	5.39	2	4.88	2	B8		255945	ח ו	1
2403	THE HYI		-08 02 53 22		-0.057	5.53	2	7.12	2	9.05	2	MOIII	1	130004	1	
2404	80 -E PSC		+05 23 08 68		-0.175	5 • 53	2	5.87	2	5.86	2	F2V		109697	Į.	1
2405	80 -E PSC 94 PSC	01 23 59.312	+18 58 55.02		-0.056	5 • 53					١.,	GK 1		92444	l	
2406	EPS MEN	07 28 25.568	-78 59 27.44	-0.0114	+0.010	5.53	2	6.81	2	8.23	2	K2		256415	l l	1
2407 2408	17 CAM	05 25 26.423	+63 01 42.13	-0.0005	-0.002	5.53	1		1			GM1		13518	5.	1
2409	15 -H AGL	19 02 19.217	-04 06 26.70	+0.0011	-0.027	5.53		7.4	1		1	GK1	1	125219	1	1
2410	58 AQL		+00 08 29.86	+0.0026	-0.010	5.53			1		1	AO	1	8417		
2411	16 UMI		+76 55 40.90	-0.0080	+0.015	5.53	1		1			A0	1	64449	1	
2412	40 B00	14 57 41.851	+39 27 45 54		+0.035	5 • 53			1_			F?	1	140775		14
2413	3ú SCP	15 46 19.438	-03 39 59.75		+0.006	5.53	2	5.65	2	5.76	2	A M	: [207145	ם	9
2414	XI - 2 LUP	15 53 41.908	-33 49 10 11		-0.042	5 • 538	.2	5.628		5.708	2	1	ĺ	101834	"	1
2415	PHI SCP	15 54 56.014	+14 33 23.38		+0.085	5.54	1	6.680				K1IV GBIII	1	105061	DV?	1
2416	4 EPS SGE	19 35 01.520			+0.016	5.54	1			1	1	GG6		A5360		
2417	84 HER	17 41 18.329	+24 20 53.48		+0.071	5.54						ВР	1	94649		1
2418	120 TAU	05 30 35.670	+18 30 22.95	-0.0001		5 • 54			1	1		B3		94652		
2419	35 ORI		+14 16 20 - 54		-0.004	5.54	١,	E 76	١,	- 04	2	A5		94710	1	1
2420	122 TAU		+17 00 40.36		-0.032	5.54	2	5.76	2	5.86	2	B9IV		256122	1	1
2421	MU MEN		-71 01 22.82		+0.034	5.54	2	5.540		4.70	-	B9.5V?	1	76862	- n	1
2422	98 -K TAU	04 55 05.588	+24 58 30 • 10		-0.049	5.54 5.54		3.540	1			GK5		59316		1
2423	51 AUR	06 35 11.702	+39 26 13.19		-0.111	5.54	1	5.500			1	AP	1	94945	1	1
2424	137 TAU		+14 09 38 95		+0.006	5.54		3.300	`		1	Fo		196330		1
2425	SIG COL		-31 23 17.23		5 -0.120	5.54			1		1	KSTII		153454		
2426	o PUP	07 47 25.628	-17 05 59.44		-0.003	5.54	2	5.69	2	5.83	2	AM	1	136345	DV?	.1.
2427	15 HYA	08 49 06.972	-06 59 19.51		+0.052	5.54	2	6.03	2	1		DF7		153924	1	
2428	18 PuP	08 00 20 145	-13 39 03.44 +25 41 44.23		+0.027	5.54			1	1		DF4	1	75114	יי	1
2429	10 ARI	02 55 07 383	+28 43 20.47		-0.005	5.54	1	İ		1		GG6		74395		-
2430	68 -H PSC	01 16 40 785	-62 45 57.85		+0.661	5.54	2	6.18	2			G2V	-	248770	1	
2431	ZET- 1 RET	03 10 11 407	+27 25 45.84		7 -0.011	5.54		i	1			GG5	1	75892		ł
2432 2433	62 ARI RHU FOR		-30 19 03.33		0 -0.243	5.54	5	6.52	2	İ	1	GG5		194535	٧?	
2434	55 PER	09 21 14.140	+34 00 59.92		6 -0.043	5.54		5.470			1	B7V	1	57212	n	
2435	16 DEL	20 53 15.368	+12 22 34 43	+0.002	6 +0.021	5 • 54		5.650			1_	A4V		106666 145836	1 "	- 1
2436	30 AGR		-06 45 53.48	+0.002	B +0.009	5 • 5 4	12	6.50	2	7.23	2	65	- 1	247874		
2437	OMI GRU	1	-52 59 55.03	+0.003	7 +0.131	5+54	1:					F3IV	1	231539		
2438	PHI GRU	23 15 24 684	-41 05 46 60	+0.011	8 -0 - 124	5 • 54	2	5.98	2	- 00		DF6		128427	1	ı
2439	22 PSC		+02 39 08.59		B -0.010	5 • 54	2	7.07	2	8.92	12	Kull	1	99172	V2	1
2446	46 LEO		+14 23 40.08		8 +0.018	5.54	1.		_	7		GM2 GK3	1	139175	1	1
2441	-G VIR	13 05 55.822	-08 43 01-10		5 -0.066	5.55	2	6.73	2	7.91	2	GK1	1	44570	1.	1
2442	23 CVN	13 18 04 621	+40 24 44.81		4 -0.008	5 • 55			1		-1	GK5		28346		
2443	70 UMA		+58 08 32.32		9 -0.077	5.55	1_	- ~	1	5.94	2	F2		146639	b	
2444	96 AgR	23 16 48 401	-05 23 52.39		3 -0.016	5.55	2	5.94	S	5.74	٦	GG6		72064	ď	
2445	27 PI - 1 PEG	22 07 00.491	+32 55 38 77		8 -0.062	5 • 55						GKO	1	164974		
2446	42 AGR	22 14 07.520	1-13 p4 53.41		8 +0.009	5.55		5 .7	2	5.20	2	B8	1	144889	V?	
2447	5 AQR	20 49 30.076	-05 41 44.64		1 +0.003		2	5.47	2		2	88		111845		ı
2448	44 ERI	04 25 56.882	2 +01 16 17-25		9 -0.019	5 - 55	2	6.97	2		2	KHIII		130704	ļ.	1
2449	25 ERI	03 42 22.897	7 -00 27 09.50		5 +0.002		2	7.10	2		2	GMO		248518		I
2450	PI - 1 HYI	1 02 13 11.635	-68 D4 28.80	+0+0007	4 +0.040	5.55	12	1.10	16	0.74	. 15	1 31.10	- 1	1 - ,	11.	ı

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

														, 1		52 I A W	6
			ECL THATTON T	<u>, T</u>	RA	DEC	VISUAL	V	BLUE	В	υV	υ	SPECTRAL	5	SAO I	STAP PROP.	N.
	STAR		ECLINATION		PM	PM		N	MAG.	N	MAG.	N	CLASS	N I	C T.40.	F.H.O.	
JER	DESIGNATION	HR MN SEC C	EG MN SEC	N	PW.	1 14						-			-0.000	Ŋ	
			2 2 42		-0.036	-n.011	5 • 55	- 1	5.510	1 1			89.5IV		74492		1
451	74 PSI- 1A PSC	01 02 59.772	12 21.62		+0.0036		5.55	- 1		1 1			GG3	- 1	14703		1
4 4 4		UE 52 21.685 H	+64 47 49 BO		-0.0040	-0.084		- 1		1 1	1.0		GK3		07472		1
452		07 57 55 470 1	+17 26 49•93		-0.0007		5 • 55		1.5	1			GG9		94904	l	١
453	- 11	05 47 38.111	+14 17 34 - 37		+0.0004		5.55		6 03	2	8.54	2	GK5		133269		114
	~ ~ -	06 24 42.142	-00 14 40.02		-0.0003	-0.009	5 • 55	2	6.93	2	0.37	-	AO	-	170506	j	1
455	78 ORI	05 28 59.116	-20 53 57.85	1. 1.	-0.0000	-0.045	5 • 55	2	5.55	2		1	FOIV		163036	ח	1 .
456	10 LEP		-10 53 30.81		-0.0021	+0.034	5 • 55			100					86987	İ	t
457	51 AGL	19 48 01.762 1 19 13 U8.019	121 08 36 41	1	+0.0027	+0.013	5 - 55				1	١,	A1		140807		
458	j S∂E	19 13 08.019	00 46 17 12	1 1	-0.0012	-0.018	5 • 55	2	5.60	2	5.55	2	AO	1	42058	1	1
459	50 LIB	15 58 05.433	-UB 10 1/•12	1 1	-0.0048	-0.000	5.555				1	1	GK4		198130	1	1
460	26 LYN	07 51 04 651	+47 41 46.35		-0.0015	-0.001	5.56	2	5.50	2	1		B3?VNEK	1		V?	1
461	-Z- 2 PUP	U7 32 02.380	-36 13 43.04	1 1			5.56	, · ·		1			GK5	ļ.	98235	V -	
462	PC CAC	es 53 11.839	+11 49 06.01	1 1	-0.0007		5.56	2	7.07	2	8.89	2	K5	1	249532		
	P1 - 1 DOR	16 23 06.711	-69 57 24.43	1 1	+0.0043			٠.	1	1			A5N		92536		
463	102 PI PSC	01 34 26 628	+11 53 11.61	1 - 1	-0.0045		5.56			1		1	sego	1	232501		
	-0- 1 ERI	01 40 33.854	-53 59 26.95		+0.0194	-0.086	5.56	1	1		1		KSIII	1	166103	1	-
465		00 09 02.232	-28 04 41 40	1 1		+0.020	5.56		E 110	2	5.20	2	B9		130228	V?	1
466			-02 39 46.32		-0.0011	-0.021	5.56	2	5.48		3.4	ľ	BBV		93557	1	
467	5 ERI	03 39 25.620	+19 32 29.98	1 1	+0.0001	-0.010	5 • 56	1	5.550	']		1.	F5+A	ı	76425	5	1
2468	13 TAU	04 01 21.932	123 ER 11.82			-0.012	5.56	1				1		1	45370	DV?	
469	36 TAU	04 01 21.932	100 00 76 15			+0.028	5.56	1	1		1		A0	1	R3682		- [
247u	47 -K BOO	15 03 46.364	106 20 30 45	1 1	+0.0003	-0-017	5 - 56	1	1			1	GK2	1	188105	V?	
2471	46 -B B00	15 06 14.1/2	+26 29 30 45	1 1	-0-0010	-0.004	5.56	!		1			GK4	1	31673	1 ''	- 1
2472	49 CHI- 2 SGR	19 22 28.169	-24 03 43.16	'	-0.0021		5.56	1	4 1	1		1	AO	i		1	1
2473	7 CYG	19 26 12 441	+52 13 04.35	1 1		+0.027	5.56	1	5.560	וו		F	B9.5V	1	85182		
2474	78 HER	17 29 51.624	1+28 26 32.83	'			5.56	1			1		GK2		230523	1	- 1
2475	ETA MIC	21 03 10.705	-41 35 12.42	-		-0.013	5.56	1	5.62	01	1		A2V	1 .	107528		- 1
	17 PEG	21 54 29.982	+11 50 17.71	.	-0.0020	-0.008	1 .	2			4.77	12	08-5111+0	97	33990	V	ı
2476	1 7	22 00 23.523	1+57 45 31 12	'		+0.004	5 • 56	٦	1 3.03	1-	1	1	GKO	1	73345	1	ĺ
2477			+33 13 14.01			2 +0.027	5.56	٦	6.70	12	7.79	2	KZIII		165376	V?	- 1
2478		22 52 06.820	-16 32 15.15	5		-0.086	5 • 56	2	0.70	15	1 ' ' '	-	GG8	1	82192		
2479	77 Agr		+20 49 12.97	7	-0.0013	5 -0.027	5.56	۱.		١,		2	GBIII	1	101152	i i	- 1
2480	5 COM		+11 52 30 14	.	-0.010	7 -0 - 117	5.56	2	6.50	2	7.17	15	A2V	· į	242120	1	- 1
24B1	32 B00	14 52 42.802	-52 16 20-25	5	+0.003	5 -0.002	5.56	1	4			.1		1	62019	1	- 1
2482	–c L _υ P		1.33 58 10 89	<u> </u>	-0.001	6 -0.008	5.56	1		1.			GK1	1	201442	l pv?	
2483	28 LMI		70 01 00 35			8 -0.004	5 • 56	2			!		B9	1	136964		
2484	DEL ANT	10 27 17.057	-30 21 02.3	3		2 -0.058		2	6.72		7.85	2	GK1	1	237268	1	
2485	33 A HYA	09 32 02.913	-05 41 26 94	-	-0 007	9 +0.020	-	2		2		- 1	AOV	1		1	
2486	O VEL	09 42 00.250	-53 39 42.3	<u> </u>				-13				1	A3M		156221		- 1
2487	-B- 1 HYA	1 in 44 24.918	-17 01 57·5°	9		7 -0.018			5.57	'n	1		AIV	Į.	82942		16
		1 13 38 17.135	1+20 12 28•4	8	-0.003	5 +0.018		12			7,53	la	KOITI-IV	. 1	89640		1,
2488		21 18 48.631	1+23 38 39 6	3	+0.01/	4 -0.123	5.57		5 66	.n	- ' •		A2V	1	85264		١.,
		17 35 27.400	1+24 20 18.0	8	-0.000	Al+0.003	2.5/				7 48	12					14
		19 53 01.098	1+06 33 04•4	91										1	258731		1
2491			-84 18 14.9	9	+0.095	3 +0 • 0 9 1		1				1 -		. 1	111334		- 1
			1+02 53 44.1	9	-0.002	6 +0 • 010	5.57		≤ 0•51	1	- 1 / • 1 5	۱ ^۳			75238		
2493			124 45 44.5	2	-0.006	5 -0.082	2 5.57		l			- 1					
2494	21 AR		110 10 15 2	5	-0.000	8 +0 -003	5 5.57		5.58	100							1
2495	22 THE AR		1777 40 13 64 6	ā	-0.004	3 -0.019	5.57			. 1		-1-					
	21 YZ CAS		11+14 42 54.0						2 5.96	5	2 5.69	2		1			
		5 U1 59 16.588	1+64 08 58.9	0										1			ŀ
2498		- ni na 26.726	5 +14 40 39+6	2					2 5.59	1:	2		A0	1			
2499		rl ni na 34.548	3 -10 06 24•4	7		7 +0 • 00			5.7			- 1	A3V	1	74506	•	1
	79 PSI- 2 PS		1 +20 28 25.7	9.	1 +0 - 006	2 -0.089	7 2+28		1 3 7 7 2	1		ı	1	- 1	1		
2489 2490 2491 2492 2493 2494 2495 2496 2497	34 VUL 79 HEF 62 SCA RHO OCT 12 TAC 21 AR 22 THE AR 21 YZ CAS 53 CA	21 18 48.631 17 35 27.400 18 53 01.098 15 31 26.275 0 37 14.671 0 2 12 52.174 0 2 15 20.327 0 42 18.429 0 159 16.588	+23 38 39.6 +24 20 18.0 +06 33 04.4 5 -84 18 14.9 +02 53 44.1 +24 45 44.5 7 +19 40 15.2 +74 42 54.6 8 +64 08 58.9 6 +14 40 39.6	3 8 9 9 9 2 2 8 8 9 9	-0.000 +0.001 +0.095 -0.002 -0.006 -0.004 +0.000 +0.000	9 +0.003 2 -0.087 3 +0.091 6 +0.01 5 -0.082 8 +0.003 7 +0.001 9 +0.003	5.57 5.57 5.57 5.57 5.57 5.57 5.57 5.58 5.58	14 14 15	5.66 6.61 5.68 6.51 5.58	30 2	7.48 5.76 7.18	2 2 2	GG9 A2 GG6 DF4 A1V A2-A3 B8IB DF2			124050 258731 111334 75238 92877 4216 12097 92230 147606	124050 258731 111334 75238 92877 4216 DV 12097 92230 D

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

ſ	NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	1	RA DEC PM PM	VISUAL MAG.	2 <	PLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	۶ ا	5A0 C.T.40.	STAR PROP.	GN
- 1	2501	63 AND	02 17 38.721	+49 55 24.13		0.0035 -0.023	5.58		5.440				A ST		75912		
	2502	64 ARI	03 21 20.955	+24 32 54.53		0.0009 -0.043	5.58	_				1	GK4 A6N		93970	. n	
	2503	80 TAU	04 27 17.324	+15 31 49.66		0.0070 -0.023	5.5A	5	5.90	2	6.00	2	A4V		79111		!
100	2504	47 GEM	07 08 17.068	+26 56 25.81		0.0016 -0.040	5 • 58		5.700						45799		1 '
	2505	4 HER	15 53 49 450	+42 42 38 23		0.0027 +0.013	5.58		5,460			ا ما	BB.		127235		1 /
. 1	2506	28 AgR	21 58 31.498	+00 21 50 85		0.0005 -0.008		2	6.86	2	8.26	2	GK4	ì	126222	DV?	1 '
.]	2507	13 DEL	20 45 19.692	+05 49 24 48		0.0005 -0.002	5.58	5	5.56	2	5.47	2	A1		52512	עמ	1 1
	2508	16 EN LAC	22 54 06.309	+41 20 11.97		0.0004 +0.004	5.58	S	5.44	2		2	BZIV	İ	127544		1 .
	2509	36 PEG	22 26 38 185	+08 52 23 15		0.0038 -0.018		5	7.13	2	9.03	2	GK5 A2	1	258674		. 1
	2510	KAP OCT	13 32 25.492	-85 31 53.97		0.0706 -0.020		2	5.76	2		2	GK0		119111		1
	2511	6 A-2 VIR	11 52 29.222	+08 43 19.27		0.0020 +0.013	5.58	2	6.52	2	7.19	۲.	GKO		99637		
	2512	86 LE0	11 27 52.569	+18 41 06 97		0.0060 +0.012	5.58	٦	7.11	2	8.93	2	K5111	1	136832		1
	2513	26 HYA	09 22 54.006	-04 54 03 23		0.0011 -0.015		2	(. 1 .	٦	0.70	-	GG4		100751	1	
	2514	7 B00	13 50 49.498	+18 10 42 - 63		0.0028 -0.001		١.	5.59	2	5.57	2	B9		119538	'n	
	2515	31 -D- 1 VIR	12 39 25.039	+07 04 50 99		0.0047 -0.016		5	2.03	۱۴.	٠.٥٬	1	A5		44531	1	
	2516	19 CVN	13 13 17.180	+41 07 07.39		0.0098 +0.01		1	5.590			1	89		53039		1
	2517	13 AND	23 24 42.403	+42 38 11.22		0.0081 +0.020		2	5.69	2	5.77	2	AZIII		73346		
	2518	15 AND	23 32 10.367	+39 57 38 30		0.0015 -0.040		2	5.59	2	5.59	2	AOV		230177	ם ו	
	2519	KAP- 1 56R	20 19 04.166	-42 12 31 95		0.0032 -0.09		"	5.540		1,500	-	AOV	l	90217	1	1
	2520	23 PEG	22 03 18.535	+28 43 13 44		0.0018 -0.00			5.580		<u> </u>		AZV		164639		
	2521	48 LAM CAP	21 43 50 688	-11 35 50 • 88		0.0019 -0.00		2	5.49	2			B9V	l	225647	V	1
	2522	GG LUP	15 15 39 108	-40 36 23 29		0.0013 -0.02		2	6.81	2		1	GK3		188121	1	1
	2523	50 SGR	19 23 20 271	-21 52 38 41		0.0014 +0.030		2	5.90	2	6.00	2	A5		115610		
	2524	8 DEL- S CWI	07 30 34.368	+03 23 54 02		0.0038 -0.06		2	5.81	2	5.90	2	DFO	1	135916	V?	1
ORIGI	2525	2 HYA	08 23 57.287	-03 49 18-50		0.0079 -0.01		2	5.87	2	5.95	2	FOV	7	93872		
ろ こ	2526	57 -H TAU	04 17 08 522	+13 54 58 43		0.0070 +0.05		2		2			GKO	١.	192870	1	1
4	2527	XI SCL		-39 11 09-90		0.0075 -0.00		-	5.510				AP	ł	11919		1
Ζ.	2528	43 CAS		+67 47 28 24		0.0104 -0.14			5.5-5			1	DA7	ļ	36173	1	1
>	2529	23 AND		+40 45 34 17		0.0016 -0.00		4					G5	4	134775	V	.
7	2530	U MON	07 28 24 264	-09 40 15.41 -08 23 10.97		0.0018 -0.01		2	5.54	2	5.35	2	B8	1	136604	D '	1
-	2531	19 HYA		+32 29 32.77		0.0020 -0.01							A M		59104	V	1
>	2532	WW AUR		+07 06 53.22		0.0010 +0.00	1 "		6.800			1	F7IAB		113845	. V	1
5	2533	T MON		+40 28 17.49		-0.0005 -0.00		1			1		B1IV?		48892	V	1
1	2534	V 380 CYG		-30 47 02.25		-0.0095 -0.07		2	6.74	2			KOTII-IV		210116		1
	2535	18 5GR	16 60 23 20	+15 17 02.69		0.0004 -0.04							GM7E	1	101771	DV.	
}	2536	R SCP	15 53 46 053	-23 04 21 21		-0.0003 -0.00		1					A0	1	184822	D	1
7	2537	24 OPH	17 10 56 23	+46 17 20.52		-0.0035 +0.04						1	GM0	1	46645		
	2538	74 HER		7 -59 52 44.27		0.0070 -0.05						1	K5	1	247303		- [
	2539	KAP IND	20 30 00.000	+32 07 42.32		0.0004 -0.01		- [1	1		1	GBII	•	70362	D.,	1
	2540	U DEL	20 43 10-76	+17 54 26 44		0.0001 +0.00						1	M5II-III	1	1n6458	V	1
	2541			+05 18 11 04		0.0010 +0.00		2	7.25	2	9.26	2	GK5	i	126518	1 011	
	2542	3 EQU V 389 CYG	21 06 31.47	6 +30 00 09.79		0.0018 -0.01				1.		1	AO	1	70968	ער	1
	2543	R CYG	10 35 28.69	1 +50 05 11.53		-0.0006 -0.00		. 4			1		SE	4	31822	V	1
2%	2544	 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23 38 58.97	3 -18 18 12.73		-0.0029 -0.06		1.		1.		1	GK5	1	165834	l v	
	2545 2546	103 A-1 AQR	13 03 56-56	+22 53 02.05		+0.0018 -0.05		2		2		2	GM5		A2651	D V	1
		12 ALP- 1 CVN	12 53 40-20	3 +38 35 03.82		-0.0203 +0.05	7 5.60	2	5.94	2	5.91	2	FOV	1	63256	ا	j ·
	2547	-U CEN	12 25 42.45	1 -38 45 52-42		-0.0025 -0.02		1				1	88	1	203508	ח	1
	2548		12 13 37.46	+ +40 56 18.07		+0.0013 -0.03	7 5.60	1					MIIII	i	44097	۷' ا	1
	2549 2550	2 CVN	13 38 53.23	3 -33 20 41 93		-0.0012 +0.02						1	GMOE		204739	I *	
	2330	, ,			L_	<u> </u>		لل	1		٠	ــــــــــــــــــــــــــــــــــــــ					

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	Description 1	P RA N PM	DEC PM	1	2 <	BLUE MAG.	11 B	UV MAG.	U	SPECTRAL CLASS	5 N	SAD CAT.NO.	STAR PROP.	G
2551	83 VIR	13 41 47.649	-15 55 42.06	+0.000	6 -0.011	5.60	2	6.41	2	6.82	2	GnII		1=8131 45231	2	
2552	39 B ₀ 0	14 47 59.220	+48 55 31.51	-0.008	2 +0.093	5.60			1			DF6+0F5		120758	} '	145
2553	1 M ScP	14 54 59 224	+00 01 58.08		1 -0.027	5.60	- 1	F 700			1	K1III A3V	1	61656		
2554	15 -F LEO	09 40 37.667	+30 12 19 19		4 -0.105	5.60		5.720	ŀ			GK4		98755		
2555	18 LEO	09 43 41.792	+12 02 28 52		2 +0.011	5.60		7 03	2	9.19	2	GM3		118286	l v	
2556	44 DE LEO	10 22 37.140	+09 02 22.81		0 - 0 - 0 41	5.61	2	7.23	-	9.17	٦	DF2	1	99601	1	1
2557	81 LEO	11 23 00.011	+16 43 53.78		0.012	5.61 5.61	3.				1	GK1	1	27791	[.	
2558	43 UMA	10 48 06.954	+56 50 50 90		73 -0.001	5.61						GM2		>8394	1	1
2559	73 UMA	12 25 12.795	+55 59 21 68		33 -0.015 33 +0.017	5.61	2	5.62	2			AnV		214313	י נ	
2560	UPS GRU	23 04 06.933	-39 09 46.52		76 +0.003	5.61		0.00	-			GG9		191105	l	i
2561	49 AGR	22 20 43.881	-25 00 57.72		33 -0.024	5.61						A3		183931		
2562	4 SCO	15 52 28 423	-26 07 12.41 +11 41 24.51		11 -0.002	5.61			1			DF2+A2	1	105282	₹۷۰	
2563	52 PI Aul	19 40 20.039	-56 20 32.97		13 -0.024	5.61	2	5.84	2		1	A M	1	234473		
2564	NU P1C O CAR	DE 46 20.239	-55 29 02.06		05 +0 - 017	5.61	2	7.13	2			K2]	234710		
2565		05 44 22.187	+14 28 18.05		07 -0.040	5 • 61		5.650				A3V		94855	, n	
2566 2567	131 TAU 19 A LYN	07 18 47.691	+55 22 40 . 73	-0.00	02 -0.031	5.61						B8		26312 96363	'	.
2568	41 GEM	ne 57 23.407	+16 08 58 89	-0.00	05 -0.008	5.62]	_		١,	CK4	1	135877		
2569	1 HYA	I OR 22 05.455	-03 35 16 27		43 -0.028	5.62	2	6.08	2	6.02	2	DF2 89	1	22696		1
2570	2 PER	01 48 57.679	+50 32 47.91		15 -0.022	5.62		5.560	1			AO		4341	1	1
2571	44 CEP	01 07 52.324	+79 24 31 20		36 +0.003	5.62	2	5.52	2	5.11	2	B7111	1	110921	j	1
2572	93 CET	02 59 45 181	+04 09 24 69		07 +0.009	5•62 5•62	۴	5.750		J. * 1	-	B7V		75757		
2573	55 ARI	03 06 35 839	+28 53 15 10		15 -0.010 27 -0.046		2		2	5.99	2	FOIV		231111	ח	١ .
2574	PI - 2 GRU	22 20 04.223	1 -46 10 50.77 1 +12 52 46.68		39 -0.051		1		1-		1	DF2		107587	Ü	
2575	20 PEG	21 58 59 090	+38 03 14.72		28 +0.007	5.62		5.620			1	B9.5V	1	71643	D	
2576	79 CYG	20 10 46 740	+62 05 53.67		10 +0.029			5.570)			B9	1	18807	1	
2577	71 DHA CEN	13 36 53.546	-49 41 49.67		16 +0.008	5.62			1	1		GM7		224317	V .	
2578 2579		13 38 40.379	+22 44 54.40	-0.00	15 -0.029	5.63	1				1	GG9		82946 158915	1	1
2580	2 B00 15 XI - 2 LIB	14 54 03.040	-11 12 32.66	+0.00	04 +0.004		1				1	K4III		A2178	.	
2581	COM	12 09 19 044	+26 08 55.60	-0.00	34 -0.032		1		1			GK4		157806		1
2582	55 VIR	13 11 30.040	1-19 40 07.08	-0.00	88 +0 • 162				١,		١,	DG6 DF8	1	110390	ŀ	
2583	64 CET	J2 08 42.460	3 +08 20 11 89	-0.00	95 -0 - 108		2			6.33	15	AP		80016	Ιv	
2584	15 BM CNC	08 10 03.14	1 +29 48 28.75		05 -0 -023			5.560	1			KSIII		80181		-
2585	22 PHI- 1 CNC	08 23 25.45	7 +28 03 34.66		24 -0.124		1	5.740	٠١.			ALV	1	98117	1	- 1
2586	50 A- 2 CNC	08 44 11.64	1 +12 17 40 89		47 -0.056		2			7.41	2	GG4		113430		1
2587	66 08I	06 02 19.75	5 +04 09 47.18	-0.00	03 -0.006 52 +0.009		-	""	-	_	- [-	FO		A8016		Ų
2588	14 VUL	19 57 01.71	9 +22 57 50 35		01 -0.034		Ì	5.58	0	1	1	AOV		164831		1
2589	5 VUL	19 24 02:15	5 +19 59 49 81 0 +00 33 21 52	-0.00	73 +0.013		2			5.90	2			120920	1	
2590	ScP		3 +10 01 27-17		13 -0.01	5.63	1					A5	1	101939	1	1, .
2591	45 SCP	10 03 14.10	6 -30 09 37.21	-0.nd	02 -0.048		3 2	5.82	3 2	2		A_M		200047	D	13
2592	EPS- 1 PYX		8 +15 46 28 55		40 +0 -025		1				1.	A5		98250		
2593			3 +65 11 44.92		39 +0 -086	5.64	2	6.26	2	6.33	2			79366	1	1
2594 2595	3 PI - 1 UMA 59 GEM	07 21 26.86	9 +27 44 10•82	+0.00	10 +0.015		1_		1.			GF0?	1	25731	l v	
2596	RR LYN	06 22 12:69	1 +56 18 51•47	-0.00	26 +0 • 020		2					A M A4IV	1	258451	1	- 1
2597	ZET MEN	06 44 14.53	8 -80 45 48.14	-0.00	74 +0.057		2	5.84	2	5.99	2	AZV		147886		
2598	49 CET	01 32 11.16	9 -15 55 54-75	+0.00	63 +0.006			7 00	١,	,	- [MSIII	6		V	
2599	BO TUC	nn 51 33.38	7 -63 D8 33.46	+0•0:	01 +0 • 00			7.20	1'		- 1 -	DF5	1	93022		1
2600	31 ARI	02 33 54.02	8 +12 13 55.04	+0.0	89 -0 - 08	5.64		1	- 1		- [1	. 1	1	1	L

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	۷ ۷		P. N.	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT-NO.	STAR PROP.	l ;
2601	63 TAU	04 20 32.682	+16 39 43.73	+0.0072	-0.027	5.64	2	5.94	2	6.07	2	Α **		93910		
			-12 36 44.95	-0.0033		5.64	l					A0	1	159715	L,	1
2602			-03 14 43.33	+0.0014		5.64		5.84			1	A5P	7	143883	٧	1
2603	V1291 AQL		-01 00 57.14	+0.0007		5.64	2	5.78	2	5.86	2	A M+AM	,	142606	D	
2604	5 AQL		-43 29 28.78	-0.0003		5.64	-				1	B9		229307		1
2605	ETA- 2 CRA		-35 25 05 26	-0.0065		5.64			li		1	DF6	1	204955	ר	
5606	-Y CEN	13 50 36.899	+24 55 46.21	+0.0003		5.64		5.700	1 1			ABIII	1	91692	ח	1
2607	ь7 LEO	11 06 08.300	12 55 75 21	+0.0060		5.64			H			DF5	1	156802	רו	1
2608	24 IUT CRT	11 36 07.523	-12 55 35 21	+0.0013		5.64			1 1			GK5	1	144181	1	
2609	66 Aul		-01 09 37-85	+0.0000		5.64	2	5.84	2	5.94	2	A3		230184	Ü	1
2610	KAP- 2 SGR	20 20 29.579	-42 35 06.24	+0.0007		5.64	2	5.64	2	5.62	2	Λn	ŀ	157060		
2611	11 PEG	21 44 41.821	+02 27 14.60	+0.0062		5 65			1 1	7101		GM0		73187		
2612	63 P∟G		+30 08 30 63			5.65	2	6.00	2	5.99	2	F2III		256857		1
2613	PI CHA		-75 37 10 26	-0.0354		5.65	9	6.95	2	8.37	2	GK2	1	137395	٧?	-
2614	16 5 <u>E</u> X		-08 10 15.77		-0.049	5.65		0.97		3.0,	-	AO	1	28928	ļ	
2615	86 UviA		+53 58 26 27	-0.0039			1					GK2	1	157998		
2616	75 VIR	13 30 11.071	-15 06 23 40		-0.007	5 65			1 1			BBV	1	241076	D	1
2617	0- 2 CEN	13 38 31.648	-54 18 25.50		-0.050	5 • 65 5 • 65	2	6.60	2	7.34	2	KO	1	258713		
2618	P1 - 1 OCT		-83 01 44 69		+0.055		2	6.95	2	8.10	2	Ko	1	258714		
2619	P1 - 2 OcT		-82 50 28 90		-0.012	5 • 65	~	0.93	-	0.10	-	AO	1	30012	ח	
2620	16 DRA	16 35 00 278	+52 59 59 51		+0.031	5.65	2	6.30	2		١.	G2V	i .	225697		
2621	NU - 2 LUP	15 18 25 192	-48 08 05 84		-0.271	5.65	5	5.61	2	5.23	2	BBIV	1	257307	ח	1
2622	KAP- 2 APS		-73 17 03 • 30		-0.028	5.65		5.93	5	6.00	2	DAB		76541		١
2023	51 TAU	04 15 25.390	+21 27 31.53		-0.034	5.65	2	5.58	2	5.22	2	BBV	ì	76137	1	-
2624	18 TAU		+24 41 02.03		-0.044	5.65	2	6.67	2	7.52	2	665	1	130026	<u> </u>	-
2625	B1 CET		-03 36 41 63		-0.039		2	5.520		1.52	1-	88	1.	23555	1	
2626	11 PER		+54 53 38 58		-0.020	5 • 65	2	6.25	2	6.36	2	G3IV	1	258421	1	-
2627	PI MEN		-80 30 32 66		+1.064	5.65	-	6.25	7	6.67	7	FATAB	7	218852	V.	
2628	-Y- 3 PUP		-48 29 10 86		+0.008	5.65		0.23	1'	0.01		A9N	1 '	80229		4
2629	30 UPS- 1 CNC		+24 15 04.24		-0.049	5 • 65	١,	5.55	2	5.24	2	AP	1	256499	10	1
2630	KAP- 2 VOL		-71 20 45 60		+0.040	5.65	2			3.64	۴	AOP	1 7	98089	ľv	
2631	49 -B C _N C		+10 15 50 42		-0.021	5.66		5.550 5.640			1	ADIV-V	1 '	93062	ו ס	
2632	34 MU ARI		+19 47 58 68		-0.040	5.66		3.040	1		1	GM1	1	A4641		1
2633	50 HER		+29 53 26 33		-0.002	5.66		5,620			1	AOV	1	A3103	· I	
2634	10 B ₀ 0		+21 56 21.76		-0.049	5.66		2.050			1	DF1	l	62658	1	-
2635	62 UMA	11 38 58.336	+32 01 22.45		+0.019	5.66	1				1	DFS	1	73190		ŀ
2636	IZ AND	23 16 28.097	+37 54 32.77		-0.060	5.66	١,			4 03	2	DFO	1	128281	1	
2637	16 PSC	23 33 50 114	+01 49 28 45		+0.062	5.67	2	6.11	2	6.03	2	DA6	į	126956	0	1
2638	PEG		+05 32 42.32		+0.028	5.67	2	5.92	2	6.00	2	GK4		126997		١
2639	26 AGR	21 39 37.132	+01 03 24 - 10		-0.003	5 67	2	7.11	12	8.78	۱۴	DF5		18751		
2640	68 DRA		+61 55 36 • 56		+0.085	5.67	ĺ		1		1	AO	1	3458	V?	
2641	76 DRA		+82 20 52 28		+0.026	5.67		E	1	5.77	2	A2	1	118380	DV	1
2642	49 TX LEO	10 32 24.801	+08 54 33 43		-0.010	5 • 67	12	5.72	2	3+//	15	AZ A3	1	15135	"	-
2643	32 U _M A	10 14 25.657	+65 21 31.57		-0.012	5 • 67	1		1	9.0	1.	ASI	1	182875		-
2644	55 HYA	14 44 27.678	-25 24 55 90		-0.020	5.67	1_		1	7 116	اء	1	1	119580	1	1
2645	33 VIR	12 43 50 . 043	+09 49 08.75		-0.450	5.67	2	6.66	2	7.40	2	K1IV	-1	85062	1	1
2646	73 HER	17 22 00.938	+23 00 19.43		-0.041	5.67	1		4	-	1	1	7		V	1
2647	V2052 OPH		+00 40 34.99		+0.003	5.67	1.	5.76	7			B2IV-V	1 '	188326	V?	- [
2648	51 -H- 1 SGR		-24 49 49-11		-0.022	5.67	2	5.86	2		1	AM	1		V	-
2649	56 SX ARI	1	+27 04 11.60	+0.0008	3 -0.013	5.67	1.	5.580		l		AP	1	75798	l o e	-
2650	31 TAU		+06 23 09.69	+0.0005	5 -0 - 0 0 4	5.67	2	5.73	2	5.30	12	B9	1	111469	10	1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N	MAG.	N	MAG.	N	CLASS	И	CAT.NO.	PROP.	N
+++++++++++++++++++++++++++++++++++++++				+0.0024	40 013	5•67	2	5.67	2	5.50	2	An		1 - 9252	D.	T
2651	51 PSC		+06 40 46 79	-0.0122		5.67	-	6.270	ا "ا) • D.C	-	F8V	1	36984		1
2652	44 AND		+41 48 58 35			5.67	2	6.73	2	7.64	2	KOIII		55107	ח	1
2653	56 A _N D	01 53 10.560		+0.0151		5.67	-	0.75		7.04		GG7	1	17655		1
2654	3 PcR		+48 57 39 10	+0.0010			-		1			ngo	ļ	78866		
2655	37 GEM		+25 26 24.14	-0.0030		5.67		= -00	1			B9.5V	1	95359		
2656	68 OKI		+19 48 12.67	+0.0002		5.67	اما	5.580	2	7.53	2	667	l	113429		1
2657	63 ORI		+05 25 27.79	-0.0002		5.67	2	6.71		1,500	٦	A0	ĺ	40778		ı
2658	36 AUR		+47 54 03.90	+0.0007		5.68	1 1	7 .00	1 1		1	GM6	1	150206	V ·	1
2659	RX LEP		-11 54 35 85	+0.0014		5.68		7.120	1 1	l .		GG5	1	14500		2
2660	1.57 CAM		+62 39 49 67	-0.0019		5.68			i I				1	98069	i	"
2661	45 A- 1 CNC		+12 51 41.34	-0.0001		5.68			1 1	***		A95		147812	V?	1
2662	47 CET		-13 18 57.29	+0.0009		5.68	L		ا ـ ا			.F1V			V -	1
2663	62 AgL		-00 51 00.41	+0.0000		5.68	2	6.98	2	8.33	12	GK4	1	144045	DV2	
2664	41 DRA		+79 59 59.55	+0.0155		5.68	S	6.18	2	6.17	2	DF6	1.	8996 183058	0	1
2665	59 HYA		-27 27 28 17	-0.0031		5.68	i_				1	AM	1	180747	l "	1
2666	6 CRV		-24 33 47.28	-0.0015			2	6.84	2		1	GK1	1			
2667	25 COM		+17 21 53.16		-0.022	5.68	1					GK5	1	100176	ם	
2668	N- 2 CEN		-52 33 52.32	-0.0047		5.68		100			1	B9VN	1.	241239	l "	1
2669	71 VIR	13 26 44.290	+11 04 36 69		-0.044	5•68		100			1	GG9	1	1n0592 98627	V?	
2670	5 X1 LEO		+11 31 20 05		-0.086	5•68					1	KOTTT	1		1	1
2671	7 AQR	20 54 11.949	-09 53 25.41		-0.008	5.68	1	1.	H	, in the	ı	GK5		144968	DV?	1
2672	19 PEG	21 58 40.273	+08 00 58.05		+0.003	5.68				1	1	GK5		127239	l .	1
2673	21 AuR		-03 46 20.04	-0.0011		5.69					l_	GK4	1	145384		1
2674	32 -C PSC		+08 12 27 85	-0.0065		5.69	2	6.00	2	6.01	2	DFO	l	128547		ı
2675	27 LMI		+34 09 40 67		-0.011	5.69				1.13	1	A3		62010	V?	
2676	47 SCP	16 06 03.226	+08 39 57.00		-0.012	5.69				1.0	1	GM3	Į.	121393		
2677	12 -C- 1 SCO	16 09 10.231	-28 17 20 33		-0.046		2	5.71	2	2.00		B9V	1	184217	יאט.	
2678	TAU 5CL	01 33 49.831	-30 09 46 15		+0.045		2	6.02	2		1	DF4	1	193201	ח	1
2679	32 TAU		+22 20 08 19		-0.106	5.69					l.	DF3	1	76339		
2680	DEL MEN	04 21 18.209	-80 19 58.75		+0.064	5.69	2	6.53	2	7.06	2	KOP		258372	ŀ	1
2681	97 CET	03 18 29.662	+03 29 48 63	+0.0032	-0.022	5.69	2	6.66	2	7.42	2	GG8	1	111142	1	1
2682	GAM HOR	02 44 23.157	-63 54 49.81	+0.0036	-0.005	5.69	1		1			KO		248642		1
2683	PI - 2 HYI	02 14 25.727	-67 58 40 23	+0.0070	-0.013	5 • 69	2	6.99	2	8.47	2	GK3	1	248521	1	
2684	5 -B UMA		+62 09 04 • 39	-0.0013	+0.021	5.69	1			1 1	1	F0		14691		1
2685	10 PUP	07 50 00.742	-14 42 59.29	-0.0012	-0.006	5 • 69	1		'	i .	1	CF3		153520		
2686	63 ERI		-10 20 06 42	+0.0014	-0.135	5 • 69			1		1	DG4	1	150060		1
2687	HU TÀU		+20 35 09.41	-0.0012	-0.005	5.70		5.66			1	B8V		76680	V_	1
2688	53 GEM		+27 59 10 63	-0.0011	-0.001	5.70			1		1	GM1	1	79221	٧?	
2689	37 OMI ARI		+15 06 04.54	-0.0002	-0.016	5.70	1	5.690			1	B9V	1	93082		
2690	38 CET		-01 14 26.93	-0.0011	+0.209	5.70	2	6.12	2	6,10	2	DF5	1	129196		1
2691	7 RR ARI		+23 19 59 23		-0.003	5.7			1		1	GG8	1	75030	. V	1
2692	19 ARI		+15 02 47.28		-0.019	5.70	2	7.25	2	9.20	2	MOIII	1	92841	V.5	
2693	XI PHE		-56 46 34 68	+0.0106	+0.050	5.70	2	5.90	2	٠,		ABP	1	232152	٦٧٦	1
2694	b6 PSC		+18 55 03.39	+0.0013	-0.010	5.70	1	5.690			1	AIV		92145	D	1
2695	38 U OPH		+01 15 53.07		-0.012	5.7	1	5.780				B5V	1	122226	עמ	1
2696	31 UPS SCP		+14 16 05.56		+0.036	5.70		5.790			L	A2V		101739	l	1
2597	57 A AQL		-08 21 32.32		-0.024	5.70	2	5.62	2	5.13	2	B5N	1	143898	D	1
	QY CAR	10 10 01 684	-57 48 47-32		+0.001	5.70	2	5.62	2		1	B2IVPNE	7	237776	V	1
2698			+21 44 15.35		-0.009	5.70	1		1		1	FM		B2123	D	1 -
699ے 2700	29 COM	1 07	+14 23 42.62		-0.029	5.70	2	5.72	2	5.79	2	A2V	1	100283	l	1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA GROERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. HR MN	ASCEN. SEC	DECLINA DEG MN		P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	P N	MAG.	U N	SPECTPAL CLASS	S N	SAN C.T.HO.	STAP PPOP.	6 N
2701	3u Com	12 46	51.347	+27 49	27.45	1	-0.0073	+0.017	5.70		5.720				A2V		n2515	ח	Π
2702	69 TAU- 1 AGR	22 45	03.557	-14 19	13.84		+0.0020	-0.006	5.70		5.650			1	B9 .	1	165298	0	1
2703	Y PAV			-69 56			+0.0027	-0.017	5.7						NO .	1	254990	ν	
2704	19 AGR		31.909				+0.0014	-0.169	5.70	2	5.90	2			A4.		145382	ļ.	1
2705	21 PEG	22 00	51.748	+11 08	39.09		+0.0011	-0.007	5.70	-	5.630			l	B9IV	l	117625		
2/06	DT CYG			+30 58			-0.0002	+0.000	5.7					l	F5:51-11		70917	V	
2707	DEL MIC	21 03	00.214	-30 19	29.77		+0.0026	-0.069	5.71			1			GKC		212709		1
2708	TAU PHE	23 58	30.781	-49 05	17.74	1.	-0.0023	-0.003	5.71	2	6.62	2		1	GATTI	ŀ	211895		
2709	38 -H B00	14 47	31.671	+46 19	25.55	1.	-0.0007		5.71			1		l	DF4		45226	į,	
2710	C-1 CEN	11 32	48.107	-47 05	44.65		-0.0090			2	7.37	2			MSIIT		2228A7	עח	
2711	CHI- 2 HYA			-27 01			+0.0024		5.71	2	5.65	2	5.39	2	B9		179522	ν.	
2712	3 LEO		49.476				-0.0022		5.71	2	6.75	2	7.65	2	GKO	1	117718	ט	
2713	24 SGR		50.200				+0.0002		5.71			1.		l	CK4	1.	186981	_	1
2714	R4 CET		40.075				+0.0140		5.71	2	6.23	2	6.21	2	DF6		130055	D.	
2715	ZET FOR		23.999				+0.0130		5.71	5	6.11	2		1	A9N	1	168209	İ	1
2716	CHI- 2 FOR		37.066				+0.0056			2	7.00	2			KO.		104312	100	
2717	64 AUR		33.781	+40 58	27.16		-0.0013		5.71						A3	İ	41670		
2718	33 LYN		31.413				-0.0026		5.71		5.750				AZIII	_	60907	1	
2719	Sw CoL			-39 43			+0.0011		5.71	2	7.33	2			MITIT	7	195807	V	ľ
2720	ETA- 1 DOR		05.892				+0.0030			S	5.68	2	5.61	2	B9		24944A 59521	v	
2721	IS GEM	06 46		+32 39			-0.0034		5.71	١,	6 420	١,	7 270	1	GK4 DF4		256373	יאט אין	10
2722	GAM- 1 VOL		08.228				+0.0017		5.718		6.628		7,238]*	1	1	218841		T'
2723	-Y- 2 PUP		19.868		00.46		-0.0008		5.72	2	5.66	S	c 60		B9	1.	136076	V	
2724	3 HV HYA		01.752				-0.0020			2	5.69	15	5.68	2	A P GG4		149998	V.	1
2725	R ERI		03.783				+0.0000		5.72	2	6.60 5.59	2	5.13	2	B9	1	131309	5	1
2726 2727	H6 ERI		14.239				+0.0077		5.72	2	6.04	2	6.14	2	A M		93892	} "	1
2728	60 TAU 11 TRI		29.556				-0.0021		5.72	۴	0.04	٦	0.14		GK1	1	55570		1
2729	12 CET		29.160				+0.0005		5.72	2	7.28	2	9.18	2	MOTII		128791	n	1
2730	22 TAU- 7 SCP		39.577					+0.050	5.72	٦	,,,,	1	7.10	Г	A2	1	101686	1	
2731	16 HER			+18 55			-0.0046		5.72	1			1	1	GK3		102040	Ì	1
2732	22 UMA			+72 25			+0.0168		5.72	1	111	1	1		DF6		6898	1	
2733	U Lio			+16 39			-0.0008		5.72						GK1		98673	1	
2734	47 LMI		11.690				-0.0049		5.72	1		1			GG7		62310	1	П
2135	38 LMI		16.452				-0.0187	-0.044	5.72	Į.		1		1	DFB		62178	1.	ļ
2736	20 COM		12.570				+0.0017	-0.038	5.72	1	5.790	1		1	A3V		82336	I	
2737	52 PrG	22 56	41.593	+11 27	40.19	İ	+0.0022	-0.036	5.72	1		1	1 2 2		FOV		109307	D	
2738	40 PEG		27.263				-0.0030	-0.095	5.72	i .			1	1	GG7	1	108064	D	
2739	d A LAC		38.561	39 22	30.24	1		-0.002	5.73	2	5.58	le .	4.68	2	B1VE	1	72509	UA5	1
2740	5 A.D	23 05	28.677	49 01	23.31		+0.0154		5.73	1			1	1	F5V		52713	1	
2741	GAM- 2 OCT	23 54	51.661	82 26	52.62		-0.0148	-0.020	5.73	2	6.78	þ	7.70	Þ	GG9	1	258996		1
2742	8 PSA	21 33	17.244	-26 23	43.94	1	+0.0083	-0.020	5 • 73	2	5.95	2		1	A3M		190478	D	1
2743	NIA AIR	12 07	30.460	06 05	05.82		-0.0108		5.73	15	6.08	2	6.25	5	A M		119249		1
2744	80 VIR		55.011				+0.0009		5.73	2	6.68	Þ	7.33	2	GGTII	4	139428		1.
2745	37 -M- 2 HER		09.580		56.86		-0.0002		5.73	1					A0 .	1	121776	D	1
2746	THE PAV		43.343		56 • 63		-0.0058	-0.081	5.73	[2	5.97	5	6.08	P	. A4	1	254374	1	1
2747	73 OPH		04.593				+0.0024		5.73	2	6.10	2	6.13	þ	F2	1	123187	ח	1
2748	14 SGR		15.616		42.03		-0.0006	-0.023	5.73	1		1		L	GK3	1	186509	1	
2749	45 TAU		40.382				+0.0098	+0.011	5.73	2	6.09	2	6.08	P	DF4		111648		
2750	56 PER	04 21	22.591	33 50	47.28		+0.0035	-0.071	5.73	ľ	1	1	1	1	DF5	1	57216	DV?	1.

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N		N R		U N	SPECTRAL CLASS	۲ ۲	SAD CAT.NO.	STAR PROP.	G
			+16 15 40.93	-0.0013	-0.012	5.73		5.590				HATII		96161 79995		
2751	33 GEM	UB 46 31.150	+25 39 38 31	-0.0050	-0.351	5.73		6.560				766		8891	5	1
2752	14 PSI CHC	17 42 50.929	+72 10 55.37	+0.0041	-0.278	5.738		6.188		14 _ 1		TF6		142444	j '	1
2753	31 PSI- 2 DRA	10 35 01.729	-00 21 11.20	+0.0006		5.74	2	5.80	2		2	A2		67324	DV2	1
2754	-E SCA 7 ZET- 2 LYR	18 43 04.779	+37 32 28.32	+0.0015	+0.019	5.74	2	6.02	2	5.N8	2	FOIV	١.	67946	177	1
2755		10 09 50 832	+31 11 55.92	-0.0008	+0.001	5 • 74		5.680			ا ا	AOSI		141269	i	1
2756		16 33 43.676	-02 13 10 02	+0.0303	-0.315	5.74	5	6.55	2	7.00	2	KOV		121152	'n	1
2757		15 41 30 642	+02 40 26 89	-0.0055		5.74			1			DG5 B5	1	198265	n	1
2758	23 PSI SCP -D- 2 PUP	07 37 57.705	-38 01 23.49	-0.0022		5.74		18 Th 18 Th				GK3		96179	1	
2759		06 47 36.143	+13 28 20.57	-0.0002	-0.004	5.74			١.			NA NA		233037	ν	
2760 2761	35 GEM TW HOR	03 11 16.947	-57 30 29.47	+0.0016		5.74	2	8.01	2	1		GK5	1	139957		1
2762	106 VIR	14 26 03.238	-06 40 37 20		-0.059	5.74	L			- 40	2	GG9		251868	1	1.
	ZET- 1 MUS	12 19 23 197	-68 n1 45.86	-0.0017	-0.064	5.74	2	6.78	2	7.60	۲.	93		164888	1	
2763 2764	35 AGR	22 06 14.607	1-18 45 54.59		-0.009	5.74		7	١,	7 11	2	GG4	1	145993	V?	
2765	44 AgR	22 14 29.931	-05 38 15·02	+0.0002	+0.025	5.75	5	6.63	2	7.14 6.31	2	DF5		127529	D	1
2766	34 PEG	22 24 04 667	[+04 08 16·86]		+0.053	5.75	2	6.27	7	0.41	٦	F2	7	71203	יסע	
2767	V1334 CYG	21 17 22.416	+38 01 31·85		-0.003	5.75		6.22	10.0	0.07	2	GKO	1	146953	1	1
2768	-H- 2 AQR	23 50 16.149	1-09 16 28 44		-0.017	5.75	5	6.92	2	8.07	2	G3V	1	91660	ח	
2769	85 PEG	23 59 33.187	+26 49 02•92 C		-0.985	5 • 75	2	6.42	2	6.47	١٢	B9		182795		1.
2770	LIB	14 40 19.767	1-24 47 08-49	-0.0014	-0.005	5.75	1	5.740	1.	7.67	12	066		130243		1
2771	8 RHO- 1 ERI	112 58 42.365	-07 51 31·98		-0.067	5.75	2	6.80	2	1.07	١٤	GK3	Ī	23143	1	
2772	B PER	02 14 26.346	+57 40 09•33		+0.013	5.75		6.920		0.00	2	GK4	1	129994	1	1
2773	77 CET	no 32 14.490	-08 04 36·36		-0.062	5.75	2	7.15	2	8.80	16	G5	1	193795		
2774	IUT- 1 FOR	no 33 59.875	-30 15 42·80	-0.0013	+0.005	5 • 75	2	5.720				B9.5V	1	92637		1
2775	4 ARI	1 61 45 27 899	1+16 42 26 49	+0.0036	-0.031	5.75		5.650		1 .	1	BTIII	1	54494	}	1
2776	45 AND	01 08 21.178	3 +37 27 31 • 10		-0.003	5.75	1	5.690				38		41446	1	
2777	PSI- 9 AUR	16 52 50 489	+46 20 23 27		+0.012	5.75		3.070	1		1	ÁŽ	1	172569	פ	
2778	17 CMA	ne 52 53.107	7 -20 20 22•93		-0.006	5.75	1	L 05	1		1	l gKi		170010		
2779	1 LEP	05 00 38.218	3 -22 51 55 02		+0.023	5.75	2	6.95	2		1	GGB		79861	. [1
2780	2 OME CNC	n 57 54 480	1 +25 31 52 56		+0.001	5.75		E 65	17		1	B2IV-VE	7	173002	V	- 1
2781	FV CMA	1 07 05 17.090) -23 45 39.91		7 +0.021	5.75	1	5.55	1'	1	1	ско	1	187422		.
2782	33 SGR	I 18 51 00.802	2 -21 25 21.85		5 -0.015	5.75	, ,	5.602	ء ا ء		1	B8	.	222126	D	. [1
2783	-S- 2 VEL	10 29 49.063	3 -44 48 32.64		5 -0.005	5.75	2 2	3.604	- -		1	DF3		139324		
2784	VIR	13 21 56.859	9 -04 54 11.82		4 -0.035	5.76	2	6.80	2	7.60	2	GKO	-	254702	1	-1
2785	MU - 1 PAV	19 55 32.27	2 -67 05 01.32		3 -0.196	5.76	۱"	0.00	-	1.00	-	A2		163195	1	
2786	63 SGR	19 59 10.58	6 -13 46 37.65		+ +0.018	5.76	1.					GM2		120798	ח	1
2767	2 5cP	14 59 15.09	0 +00 03 22.02	+0.000	4 -0.027	5.76			1			669		140596	1	- 1
2788	11 A- 1 SCP	15 30 23.21	4 -01 01 04.38	-0.000	9 -0.039	5.76					1	AZ		46723	1	- [
2789	77 -X HER	17 25 24.56	6 +48 18 04 18		4 -0.005		١,	5.69	12			B3N		198268		ł
2790	-D- 3 PUP	1 07 38 01.91	0 -38 08 39•65		5 +0.002		S	3.67	١٤			AM		61102	ח	- [
2791	51 516- 1 CNC	I AR 49 29.56	5 +32 39 46•52	-0.000	2 +0.012	5.76	2	5.70	2	5.53	2	89		217922	ח	
2792	G PUP	l ne 24 24.11	8 -48 08 46 84		1 -0.031		2		2		2	82.518	ļ	78050	. ח	- 1
2793	3 GEM	06 06 41.77	3 +23 07 24.41		6 -0.002	_	٦٢	1 3.30	15	1 3.02	1	GM3		92822		- 1
2794	15 ARI	02 07 50.96	4 +19 15 55•60		2 -0.024		2	5.72	2	5.49	2	BBV		76159		-
2795	21 TAU		0 +24 24 00.00		9 -0.039		2		2		1	AOSI		230667	ַ מ	- 1
2796	THE- 2 MIC	21 21 13.96	6 -41 13 19.78		7 +0 • 003	1	ľ	7.25			1	GK2	1	190295	٧?	١
2797	33 CAP	21 21 19.65	2 -21 03 56.27		2 -0.129	I	2			7.67	2	KOIII		258932		
2798	UPS OCT	1 22 22 39.60	5 -86 13 26 - 79		9 +0 • 062				- 1		2	A2		128401	1	ļ
2799	21 PSC	23 46 53.76	9 +00 47 54 47		3 -0.024			6.10	- 1-	3.07	1	DA9		35196	. 0	
2800	1		4 +59 03 41.17	-0.000	6 +0.014	5.77	. [1	٦		1	1	- I			

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N		B N	UV MAG.	U N	SPECTRAL CLASS	11. S	SAO C T.NO.	STAR PROP.	
2801	10 AivD	23 17 29.158	+41 48 14.77	+0.0035	+0.015	5.77				1		GM0		52914		T
2802	28 CEP		+78 31 51 25	-0.0056		5.77	-					AZ	l	10375		-
2803	6 -T TAU		+09 12 21 13	+0.0021		5.77	2	5.69	2	5.39	2	BB	1	111246		1
2804	59 ERI		-16 25 00.42	-0.0002		5.77	2		5	3.37	-	DF6	1	149911		1
2805	44 PSC		+01 39 46.70	-0.0010			2	6.63	2	7.20	2	GG5		109192		1
2806			-32 48 06 81	-0.0011			2	9.60	2	10,50	-	N3	l	193122	V.	1
2807	R SCL		+56 54 01 58	+0.0001		5.77	<u>-</u> ا	7.50	ا "ا	100		AO		25842	· ·	
280b			-23 21 48.32	-0.0072		5.770	2	6.200	5	6.230	۱,	DE4	·	174019	n	ŀ
	•		+01 16 30.79	-0.0071		5.77	[-	0.200	٦	0.200	۱"	DF2	1	121790	l ''	-
2809	14 OPH			-0.0036			2	6.95	ارا	8.06	2	GKO		118164		ı
2810	19 SEX		+04 51 44.96				<u>"</u>	7.35	2 7	0.00	۱^	MATITA	7	27219	v	
2811	CG UMA		+56 54 44 96	-0.0011		5.77	2		2	6.24	2	DF5	l .'	118929	. "	1
2812	89 LEO		+03 20 16.99	-0.0123 -0.0103		5.77 5.774	2	5.744	2	5.624		AO .	1	225526	n	1
2813	KAP- 2 LuP		-48 33 18.67				-		7	5.024	14	MAIII	7	101429	ν	1
2814	FL ScP		+19 09 47 18	-0.0008		5.78	ا ۾ ا	7.26	1 1	E 0E	١,		1 ′		ກັ	1
2815	16 UPS CRB		+29 16 21 84	+0.0013			2	5,85	2	5.95	2	A3V	l	84281	''	1
2816	26 OPH		-24 54 52 64	+0.0045		5.78					١.	DF4	l	184897		-
2817	11 CYG		+36 49 57.06	+0.0004		5•78		5.660				Bav		68552	_	1
2818	N-2 HYA		-28 59 12.71	-0.0023		5•78						DF6		179968	ח	1
2819	39 UMA		+57 27 44.40	+0.0019		5 • 78		5.760				B9		27748	,	1
2820	AX CIR		-63 36 17.79	-0.0025		5.78		6.440	[7]			G3IIB8?		25292A	_ v	1
2821	MU Pic		-58 42 56 82	+0.0004		5.78		F -70				B9		234564	Ü	ı
2822	44 CAS		+60 18 00.24	+0.0012		5•78		5.770			1	B9		11941	ט	١
2823	25 CEP		+62 33 12.12	+0.006年		5 • 78			ایا			KSIII		19901		١
2824	51 AQR		-05 05 26.02	+0.0020		5.78	2		2		2	AO.		146067	3)	١
2825	25 PEG		+21 27 31.64	-0.0034	•		2		2	5.27	2	B7V		90252	1	-1
2826	35 CAP		-21 24 48 74	-0.0019			2		2	8.96		KSIII		190349	_	1
2827	5 RHO- 2 OPH		-23 19 57.72	-0.0005		5.788	2	6.008	2	5.458	2	B2V		184381	ס	١
2828	IOT- 2 NOR		-57 48 06 60	-0.0015		5.79					_	B9V	1	243368	[١
2829	24 UMI		+86 59 31 94	+0.0694		5.79	2	6.04	2	6.11	2	A M	1	2940	l '	1
2830	37 CAP		-20 18 29.78	-0.0027		5.79			_		l_	DF1		190461		
2831	BO HH PEG		+09 02 10 26	-0.0012		5.79	2	7.45	2	9.18	2	GM3		\$28421	1	1
2832	23 PHI- 4 CET		-11 38 58 40	-0.0026		5.79	_		ا ا		١,	GG7		147546	l	1
2833	35 UU PSC		+08 32 36 • 36	+0.0064		5.79	2	6.10	2		2	GA9		109087	יארי	
2834	89 TAU		+15 56 05.25	+0.0064			2		2		2	DAB		94043	l	1
2835	NU MEN		-81 41 45 12	-0.0001			2		2	6.19	2	A5M		258378		- 1
2836	LAM- 2 FOR		-34 47 27.43	-0.0015			2		2		٦	DG1	i .	193811		
2837	20 ARI		+25 33 07.22	+0.0130		5•79	2	6.23	2	6.27	2	DF3	•	75239		
2838	13 TRI		+29 42 29.07	-0.0053		5.79					1.1	DGO	l :	75391		1
2839	75 C _N C		+26 50 14.13	-0.0093		5.79					١	DG3	l .	A0659	_	١
2840	44 -K VIR		-03 32 33.43	-0.0027		5.79	2	5.97	2	6.05	2	A2	l	139086	נו מ	Į
2841	12 VIR		+10 32 25.23	-0.0065		5.79	ا ا	6.060	ا ۱			A M		99907		1
2842	35 S _L X		+05 00 38-21	+0.0013		5•79	2		2		2	KSIII		118449	D	1
2843	41 SEX	10 47 47 457		-0.0006		5•79	2	5.95	2	6.08	2	A2M	l	137823	. D	1
2844	58 UMA	11 27 49.156		-0.0049		5.79						DF5	l	43787		1
2845	7 LMI		+33 52 35.92	-0.0014		5+8n			li		1	GG8	ľ	61529	· ·	1
2846	57 HYA		-26 26 16.69	-0.0009		5.80		5.780				B9V	l	182883		1
2847	48 HyA		-24 46 01.83	-0.0147		5.80						F3V	l	182152		١
2848	20 -D- 1 CNC		+18 29 39 10	-0.0037		5.80						DFO		97781		١
2849	E VEL		-50 47 43.88	-0.0008		5.80	2	5.67	2			B9SI	l	236110		1
2850	-E- 1 PUP	07 36 55.091	1-36 22 53.93	-0.0011	1-0.001	5.80	2	5.64	2			B5	Ι.	198237	l '	1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

T	STAR	RT. ASCEN.	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL	V N		B N	UV MAG.	N	SPECTRAL CLASS	S N	CAT.NO.	PROP.	G H
NUMBER	DESIGNATION	THE TAX		0.007	-0.022	5.80						AGN	1	79391		
2851	61 GEM	07 23 59.537	+20 21 32.39	-0.0003			2	5.80	2	1.	1	B9111		234599	l !	1
2852	N CAR	06 33 52.402	-52 56 02.61	-0.0015 +0.0010		5.8	_	5.740				89		57858	V	1
2853	17 AR AUR	05 15 01.247	+33 42 55 12				2		2	6.22	2	DF5	1	75662	١.,	1
2854	47 ARI	ne 55 13.168	+20 28 10·11	+0.0166	0.027	5.80	~	5.910				A M	Į .	56538	٧	1
2855	IW PER	na 3n 16.704	1+39 43 57 • 35	+0.0005	-0.037	5.8	4	8.670	7]	1	NR	4	9404	V	1
	UX DRA	19 23 22.408	1+76 27 41·68	-0.0036	+0.002	5.8	4	0.0		1	1	MC	4	45863	¥	1
2856	X HER	16 01 08.845	+47 22 35 81	-0.0047	+0.050	5.8					l l	GM7EP	1	165849	V	
2857	R AuR	23 41 14.186	-15 33 41·79	+0.0020	1-0.021		2	6.52	2	6.50	2	BBIB		33864	٧?	1
2858	0-5	21 53 12.082	[+56 22 26·15]	-0.0010	+0.001	5.80	-	0.30	-	"•"	1	B2		67441	l D	1
2859		18 47 54-152	+32 45 14.11		-0.008	5.80	١.		Į.	1	1	CM4	1	67193	٧ :	1
2860		16 36 27.280	+39 37 22 79		+0.006	5.8	ľ		1		1	GK4	1	187255	. ס	1
2861		18 43 19.678			+0.000	5 80		5.88	2	5,95	2	A0	ł	124675	-1	1
2862	1	10 26 29.255	+01 50 48-66	-0.0004	-0.031	5 • 80	2	6.41	2	6.50	2	DG1		105635	1.	1
2863	35 -C AGL	20 01 51 341	1+16 56 00 49	-0.0277	-0-411	5 80	2	0.41	1-	10.30	-	FPEP	Ì	84015	V	1
2864	15 SGE	15 46 30-69	+28 18 32 - 24		0.017	5.8	١.		1	1		F2IV	1	243499	1	1
2865	R CRB	15 00 22-97	-55 24 47.66		-0.043	5.81	2	6.15	12		12	В9		165359	1	
2866	ZET NOR	16 09 22 37	-11 52 58 - 34	+0.0015	+0.004	5.81	2	5.73	2	5.41	2	B3V	ı	91995	V?	Т
2867	74 AQR	22 30 30 77	+14 57 24 49		0.014	5.81	i	5.680	1		1	GSIII	1	151694	פו	ı
2868	53 PSC	00 34 10 1/	5 -18 37 02.99	-0.0012	+0.015	5.81			1_		1	An		115644	i .	ı
2869	6 NU - 1 CMA	06 34 11.40	5 +03 28 53.51	-0.0010	-0.016	5 - 81	2	5.79	2	5.70	2			97399	į.	1
2870	9 DEL- 3 CMI		115 55 31 23	-0.0019	-0.045	5 • 81	1	1	1	1	1	GK3	1	158021	DV2	1
2871	1 CNC	07 54 09 10	5 +15 55 31 23		-0.016	5.81	1	1 St. 1	1:		1	A1P	1	28375	1	1
2872	-Y VIR	13 32 00.68	9 -12 57 31.06	-0.002	-0.023	5.81	1	1		1	1.	GM3		118576	l v	ı
2873	71 UMA	12 22 40.20	7 +57 03 16.93		-0.012	5.81	12	7.26	12	8.26	2	MSTIT	1	101139	DV?	ı
2874	56 VY LEO	10 53 25.72	1 +06 27 09.31	-0.000	+0.006	5.814	12	5.774	12	5.454	12	A_M	-	158152	ח	
2875	29 PI - 2 BOO	14 38 22.87	2 +16 37 52.28	-0.000	+0.002	5.82	1		- 1	1	ì	GG 7	- 1	99629	1	Į
2876	86 VIR	13 43 16.17	3 -12 10 36.19	-0.002	0 -0.050	5.82	1	ì			1.	GK4	-		0	١.
2877	B5 LEO	11 27 05.64	8 +15 41 22.82		6 -0.105	5.82	12	6.32	2	6.27	2	DF3		B1270	DV?	l
2878	39 LEO	10 14 29.72	1 +23 21 27.73	10.023	6 -0.094		lè		2	9.21	2	MIIII	-	79199		1
2879	52 GEN	1 07 11 38.54	8 +24 58 24 86	+0.003	0 0 0 3	5.82	1	5. 780	ונ	1	1	B9V	- 1	74483	4 _	
2880	74 PSI- 18 PSC	1 01 03 00.52	0 +21 11 53.41	+0.003	4 -0.013		1		1	1	1	KO	1	193940	ר ס ן	
	ETA- 2 FOR	10 48 13.44	1 -36 02 59.58	+0.004	3 +0.025	5.82	1	5.760	n I			AOIII	1	91278	I.	ļ
2881	n - e	1 22 25 11.05	3 1+24 53 32 38 1		9 -0.035		2			5.18	lz	B7	-	145278		
2882	69 PEG	1 21 15 53.72	6 -04 43 49 63		8 +0.020						2	GM2		126719		
2883		1 21 18 36 35	2 1+07 n8 29•53 l		6 -0.015		۱۴	1	٦٦		- [K3IB	-	106342		
2884	9 THE DEL	2n 36 22.30	7 +13 08 15 22		2 -0.001		i	100	-	1	ı	DF4		31850		-
2885		1 19 37 33.73	4 +54 51 21 62	+0.004	2 +0.169	5.82	1	1	- 1		1	GG6		87267	· [
2886	17.4	19 26 51.75	3 +24 39 51 71	-0.000	1 +0.016	5.83	1.	6.31	la	, l	١.	DF6	1	193829		
2887		o no 36 09.26	3 -30 24 31 20	+0.007	6 -0.083	5.83					2			2 148386	DV	
2888		r no 23 37.62	25 -15 33 54 6 37		4 -0 - 045								1	114023		
2889			8 +04 53 36 • 14	-0.002	7 -0.007	5.83		2 6.83	- 1	1,00	-	GG8		76858	ם וי	
2890			5 +23 52 20 65	+0.000	7 -0.006	5 5 83				1	1	BZVP	-	76972		
2891			3 +21 38 25 58	+0.000	14 -0 - 006	5 5 83		6.04	u		. .	M4		44383	, V	
2892		U US U4 33.7	31 +47 28 03.10		19 -0.008				- 1		-	DF3		n2903	3	
2893			97 +25 57 08.51	-0.00	16 -0 • 06				- 1		-	GG7		15888	7.	
2894			19 -11 41 43.99		8 -0 -01							GKO		28191		
2895	13 XI - 1 LI		53 +56 52 36.51		05 -0.00			. [- 1	1	- 1			40840		•
2896	66 Uy		03 140 50 15 671	-0.00	34 -0 - 14	5 84			_ 1		.	ABIL		16819		
2897		R 06 01 27.6	03 +42 59 15.57	+0-00	+1 +0 -05	3 5.84		2 7.17	1	2	1	GK2		9232		
2898	The second secon	I 02 55 52.1	69 -23 48 22 53		16 -0.02			5.75	50		- 1	Balli				
2899		c i aa 11 28.0	09 +15 52 09 85		36 -0.03	- 1			ļ			GG6		10671	·	
2900	~-	L 20 56 01.3	78 +10 38 42.99	-0.00	0.00		i		1							

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N		N	· · · · · · · · · · · · · · · · · · ·	N	SPECTRAL CLASS	٧	C.T.NO.	beub.	
		us us sen	+43 48 37.63	+0.0001	+0.024	5.85					.	F0	-	39129	. V	
2901	V 376 PER	03 45 40.654		-0.0002			2	5.72	2	5.23	2	BSTII	ļ	131132		1
2902	-D ERI	04 18 17-209	-07 42 38 55	-0.0002			2		2	7.42	2	GRIII	ļ.	258305		
2903	XI MEN	05 04 29.049	-82 32 26 44	+0.0011		5.85	-	5.930	_			AOIV	1	52101		Ĺ
2904	J3 -H LMI	10 29 01.329	+32 38 12 37	+0.0000			2	5.84	2	5.85	2	A0 :		121568	1	1
2905	21 -0 HER	16 21 44.526	+07 03 44.55	+0.0052		5.85	`		_	•		A6N	1	101642		1
2906	18 TAU- 5 SCP	15 34 10.893	+16 17 00 • 01			5.85	2	6.01	2			A M		193099		1
2907	60 HYA	14 59 07.228	-27 51 49 82	+0.0071		5.86	٠ ا	- 0.0-	- 1			GG6].	159307	}	1
2908	34 LIB	15 27 50.843	-16 26 21.35	+0.0011		5.86	2	5.98	2	6.06	2	A3	1	A5753	יעף	-{
2909	1UO A HER	18 05 48.495	+26 05 33.51	-0.0006			ź	6.69	2	0.00		60		200152		-
2910	-K- 1 VEL	09 12 57.381	-37 23 37.51	+0.0004		5.86	۲	0.07	-	100		DF7	1	179967		1
2911	N-1 HYA	11 29 47.083	-28 59 20.98	~0.0012	+0.134	5.86	.			1.1		AC		15871		1
2912	76 UMA	12 39 23.262	+62 59 14 • 10	-0.0052	-0.020	5.86						667		100374	1	-
2913	პხ Co∾	12 58 41.259	+17 23 32.28	-0.0004		5 - 86				1		Ban		94986		1
2914	57 ORI	u5 51 58.983	+19 44 30 • 10	-0.0001		5.86	li	5.770			i :	36111		78593	ח	- [
2915	54 AUR	06 36 23.954	+28 18 33.02	-0.0004	-0.015	5 • 86	ا ہا		ا دا			GF4		79162		-
2916	48 GEM	07 09 24 141	+24 12 50.05	-0.0015		5.86	2	6.23	2	100		B3		173193	1	١
2917	26 C.JA	07 10 09.373	-25 51 27.36		+0.009	5 86		E 0/10				B9V	1 :	97485		
2918	5 C,iC	u7 58 39.375	+16 35 40 63		-0.009	5.86		5.840			l	A M		75693	1	
2919	49 ARI	02 58 56 987	+26 15 56 98		+0.008	5 • 86		6.000			١.	665	1	75863	1	
2926	59 ARI	03 16 56.244	+26 53 30 43		-0.072	5 • 86	ا ؍ ا		اء	7	2	KOIII		74966	ח	
2921	1 ARI	01 47 22.425	+22 D1 40.32		-0.004	5.86	2	6.60	2	7.10	2	KOV	1	74175		-
2922	54 PSC	un 36 45.412	+20 58 51 87		-0.366	5 86	2	6.71	2	7.29	14	A2	1	231217	1 2	
2923	51G- 2 GRU	22 34 04 113	-40 50 59.56		-0.071	5 86	2	5.92	2	. 77	2	A3M?		1467AN	1	
2924	14 PSC	23 31 34.697	-01 31 25·75		-0.007	5 . 87	2	6.17	2	6.33	1	GBIV		189114		:
2925	4 CAP	20 15 05 269	-21 57 57 37		-0.025	5.87	2	6.87	2	7 // 2	2	GG7	1	145317	1	
2926	16 Agr	21 18 27.058	-04 46 24 00		+0.014	5.87	2	6.79	2	7.43	1	A2		12095	Í	
2927	52 CAS	01 59 07.482	+64 39 40•51		-0.009	5.87						DF3	1	147622	1	
2928	30 CET	61 05 15.286	-10 03 09-23		+0.021	5~87					1	GBIII?	Ι.	129235	n	
2929	42 CET	01 17 14.782	-00 46 15.23		-0.009	5+87	2	6.51	2	6.83	2			4422		
2930	38 CAS	n1 27 28.374	+70 00 29.68		0.070	5 • 87			1			DF6		93118	l V>	
2931	40 ARI	ne 45 43.579	+18 04 35 88		-0.033	5 • 87	ŀ					GK1	1	79042	1	
2932	44 GEM	07 02 17.795	+22 42 50 54		-0.015	5 - 87	1	5.840				B9.5V	1	97843	1	
2933	29 CNC	UR 25 50.013	1+14 22 39.84		0.015	5 • 87		6.060			1	GK4	1	41130	1	
2934	47 AUR	16 26 18.927	1+46 43 10.66		+0.008	5.87	١.				1			170715		
2935	12 LEP	U5 40 07.633	-22 23 47·88		7 +0 • 017	5.87	2	5.98	2	١		A2 A M		119905		
2936	64 VIR	13 19 38.322	+05 24 59.08		-0.040	5.87	2	5.99	2	6.09	2			81260	1	
2937	35 LEO	10 13 46.346	1+23 45 08.39		+0.031	5.87	1		1	1		DG2 A4III		62076		
2938	32 LMI	10 27 11.723	1 + 39 10 54 • 43		-0.007	5 - 87	1	5.940			1	BTITE		94848	1 .	
2939	129 TAU	05 43 52.858	3 +15 48 16 86		-0.005	5.88	1_	5.830		- ""	1	KOIV		25771		
2940	6 LYN	06 26 26.74	[+58 12 07·46]		7 -0.336	5 88	2	6.82	2	7.48	2	GKO	1	193763	I .	
2941	LAM- 1 FOR	02 31 01.901	-34 52 08 82		-0.016	5.88	1_				2	DG1	1	110266	V2	
2942	112 PSC	n1 57 32.910) +02 51 31.64		2 -0.246	5.88	2	6.50	2	6.69	۲		.1	163337		
2943	2 X1 - 2 CAP	20 09 38.773	3 -12 45 55 47		2 -0.193	5.88	1				1	F8V	1	70096	1	
2944	42 CYG	20 27 25.846	+36 17 12.73		L +0.002	5.88		6.360			1	AIIB	1	183914	1	
2945	3 Sc0	15 51 39.06	7 -25 05 49.31		9 -0.025	5.88	1	5.820			1.	B7IV?	1	145065	D	
2946	12 A AQR	21 01 26.06	L -06 01 19.78		-0.006	5 . 89	1					GG4	1	189667	1 "	
	17 CAP	20 43 16.21	2 -21 41 49.29	+0.001	5 -0.009	5.89				1	1	AO		106536	V?	
2947		20 47 14-75	1 +12 21 25+64	+0.003	8 +0.101	5.89				1		DF4			1 4.	
2948			6 -01 49 56.01		2 -0.035	5 • 89	2	6.89	2	7,62	2	GG6		146160	1	
2949	60 AQR 79 PEG	1 22 01 20 22	7 +28 33 50 -55		0 +0.030	5.89	1	1		1	1	A3		91522		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

		S 1	AR DESIGNATION	S AND SIA	R DATA O	KULKLU U					· · · · · ·		Τ			
		(CE11	DECLINATION P	RA	DEC	VISUAL	v	BLUE	В	U •	U	SPECTRAL	S	SAO	STAR	G
	5TAR	RT. ASCEN.		1	PM		N	MAG.	11	MAG.	N	CLASS	M	CAT.NO.	PROP.	IN
NUMBER	DESIGNATION	HR MN SEC	DEG MN SEC N			1	\dashv				-			10950		
		00 01 38.273	162 00 30-13	-0.0007	+0.012	5 89	- 1	6.160]]	ADIII	1			
2951	9 CAS	02 59 28.210	-28 16 54.52		-0.420	5 - 89	2	6.68	2			GSIV	1	168238	n	l
2952	EPS FOR	05 24 59 510	101 50 01-15		-0.008	5.89	2	6.11	2	6.27	2	A5			''	1
2953	59 0 _H I	U5 55 48.522	+01 50 01.15 +57 54 03.90		+0.012	5.89	٠.		1			DF2	1	26794	1	1
2954	30 LYN	08 16 24 598	01 70 10 26		-0.020	5 - 89	5	7.32	2	8.98	2	SK3		139308	· v	ı
2955	65 VIR	13 20 43.231	-04 39 48 26		-0.047	5.89	- 1	5.900				A D	1	158481	l v	1
2956	CS VIR	14 15 52 016	-18 29 07.67		-0.026	5.90	-	6.140			1 '	BSIAB		252077	1	1
2957	KAP CRU	12 50 48.851	-60 06 19 07		-0.016	5.90	.	6.700			İ	CF6	1	251791	V	1
2958	S MUS	12 10 04.183	-69 52 25.51		-0.020	5.90	2	6.07	2	6.20	2	A3	1	138710	1	1
2959	13 VIR	12 16 06.363	-00 30 33.74		-0.022	5.90	_					A0	1	138873	1.	
2960	25 -F VIR	12 34 12.656	-05 33 23.59	-0.0022	-0.009	5.90		6.700				G5	1	251996	V	
2961	R MUS	12 39 00.393	-69 08 00.31		+0.020	5.90					1	GK2	1	14321		1
2962	51 CAM	07 41 54.397	+65 34 40 • 21		-0.055	5.90		l			ŀ	GKO		78079	1 _	1
2963	5 GEM	06 08 28.241	+24 25 59.08		-0.031	5.9		5.860	1			B9V		77201] 5	15:
2964	116 A TAU	U5 26 11.709	+25 06 42 67		+0.004	5.90			1	1		DF3	1	57559	2	1
2965	5 AUR	04 56 51.770	+39 19 15 84		-0.021	5.90		6.030				A3V		75999	י כ	
2966	7 TAU	03 31 28 599	+24 17 53 88				2	6.52	2	6.64	2	DG1		76438	1	
2967	39 A- 2 TAU	04 02 22.353	+21 52 31.92		0.133	5.90	2		2			A2	1	168820	10	
2968	SIG FOR	03 44 25.013	-29 29 32 61		+0+014		2	6.22	2	6.28	2	DFO		93948		
2969	76 TAU	04 25 33.235	+14 37 52.72		-0.022		5	5.93	2	4.92	2	09111	1	21273	V	
2970	AO CAS	00 15 03.347	+51 09 19-80		+0.001	5.9	4	","		'''	1	M6E	u	102434	V	1
2971	S HER	16 49 37.136	+15 01 27.77		-0.006		7	ļ			1	A M	-	231364		1
2972	TAU- 3 GRU	22 53 53.411	-48 14 11.99		2 +0.009	5.90 5.9		1				A3	ļ	52881	V	
2973	9 AN AND	23 16 00.640	1+41 30 01 04		7 -0.007		4		1.		1	MAE	4	83440	· v	1
2974	R B00	14 34 59.266	1+26 57 09•41		5 +0.007	5.90	١,	5.830	ı		-	B9	1	9959	1	6
2975	77 DRA	21 06 31.971	+77 55 26•77		2 +0.034		1	3.630	1		1	A5M	: 1	164612		1
2976	45 CAP	21 41 17.251	-14 58 46 - 14		B +0.010	5.90	4		1			M4E	4	15273	V	1
2977	R UMA	10 41 07.899	1+69 02 19•49		3 -0.026	5.9	4				1	M6E	4	157211	V	1
2978	R CRV	12 17 02.315	5 -1 8 58 41•71		4 +0.003	5.9	۱ ۳	6 600	. I			G5	:1	253377	V	
2979	5 TRA	15 56 40.169) -63		1 -0.006	5.90	İ	6.600	'		1.	DF2		84543		
2980	39 HER	16 39 34.878	3 +27 00 43 06		0 -0.045	5.90		1	1		.	B3V	1	245065	עס	
2981	UPS- 1 ARA	17 46 23.999	9 -53 35 53•16		1 -0.004	5.90	١.		1	1	2	A3	1	95752	DV?	1
2982	100 B HER	18 05 48.46	+26 05 19 08		3 +0 • 033	5.90	2		2	6.12	1-	A4P	7		٧	
2983	10 AQL	18 56 29.11	2 +13 50 16 88		3 -0.051	5.90	١.	6.140			2	AZ	1 '	125032		
2984	49 UPS AGL	19 43 13.91	7 +07 29 26.45	+0.003	4 +0.004	5.91	2		2		2	B7IV	1	253649	1	1
	ETA TRA		-68 11 57.64	+0.000	6 -0.014	5.91	2		2	5.41	۲	AOV	- 1	101712		1 .
2985			2 +17 25 12.68		9 -0.003		1	5.910	4				.	163975	1 .	-
2986		20 51 58-44	-18 06 49.76	-0.003	7 -0.018	5.91	1		1	1	ا	GKO		52412	V2	
2987			8 +41 41 17.87	+0.000	7 +0 • 004	5.91	2		2	5.48	2	B3IV?	T	131451	''	
2988	14 LAC		3 -08 35 43.95		3 -0.002	5.91	2		2	4.99	2	B5		13897	1 .	
2989	56 ERI		3 +61 31 40.35	-0.028	4 -0.278	5.91		6.810	וי		1	\$667	ļ	218465		1
2990	B LYN		7 -40 48 50.15		3 +0.003		1	1			1	89	Ì	80113		1
2991	D PUF		2 +24 10 52.39		6 -0.024			5.880	7		1.	B9V		83395		1
2992	19 LAM CNC		5 +22 28 45.31		2 +0.033		1				٦	DF2		258717		-
2993	26 Buc		2 -84 35 43.93		5 +0.007		2	5.85	2	5.72	2	A0	- 1		1	
2994	OME OCT	'	1 +01 17 39.69		9 +0.010				2		2	A3	- [120185		ı
2995	9 ₆ VIF		8 -08 09 42-80		1 -0.006		12				2	An	1	137385	1	1
2996	17 SE		0 +01 55 29.43		7 -0 -059		2					GKO		118778	р	
2997			8 +01 00 14-31		9 -0.004	5.91	2					DF3		118574		3
2998			5 -64 50 24.79		3 +0 +019		1	6.18	4 1	6.31	4 1	FO	1	250696	1 _	'
2999			2 +21 24 48.09		2 -0.016		1		1		1	ABS		81035	1 0	
3000	20 LE	0 09 47 02.30	E 1157 54 40.03	"""	_		1	1	L_							-

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISU'L MAG.	N N		B N	1)V	N N	SPECTRAL CL/SS	ج 11	SAO CAT.MO.	STAR PROP.	11
			-60 15 03.74	-0.0045	+0.081	5.92	2	7.00	2			GKO		251178	V	l.,
3001	T CAR	10 53 16.980		-0.0084		5.920	. 1	6.350		6.380	2	DF6		174020	٠,	12
3002	-N- 2 PUP	07 32 12.337		+0.0040		5.92	2		2			DF7	1	193965		
3003	PSI FOR	02 51 36.750	-38 38 26 09	+0.0053		5.92						GK2		92558		1
3004	105 PSC	01 36 50 626	+16 09 10 • 30	+0.0013		5.92		5.930	1 1			AOPE		196172	ח	1
3005	1 DEL	20 27 54.268	+10 43 38 35	+0.0005		5.92	2		2	5,38	2	B7VE?	1	98339		
3006	20 ՄՈՐ	20 09 54.805	+26 19 42.13	+0.0032		5.92	-	=				GG6		165044]	1
3007	50 AuR	22 21 46 442	-13 47 00 79	+0.0011		5.92				-1		KSIII	١.	159280	ĺ	1
3006	32 LIB	15 25 25.910	-16 32 36 • 71	-0.0051		5.92		1	1		1	GM2		46210	-	1
3009	42 HER	16 37 23.247	+49 01 31 30	+0.0003		5.92		5.940				AOV		101994]	
3010	-o H∈R		+16 47 37 67			5.93	2	5.91	2		1	B5V?	1	159572	ח	1.
3011	47 LIB	15 52 06.681	-19 14 12 69		-0.024	5.93	2	7.00	2	7.96	2	669		146954	D	
3012	24 PSC	23 50 21.395	-03 25 59.47		-0.041	5.93	-	6.070		1,000		AUTIT	1	92463	V	
3013	97 VX PSC	01 27 10.619	+18 05 52 27		+0.001	5.93	2	6.81	2	7.31	2	6511-111	1	129667	ח	
3014	61 CET	02 01 14.429	-00 34 45.10	+0.0050	-0.041	5.93	2	6.90	2	7.60	2	669		129739	!	
3015	63 CET		-02 03 34.63		-0.030	5.93	2	6.37	2		2	DF2		128843		İ
3016	14 CET	00 32 58 672	-00 46 48 17		-0.058	5.93	2	7.03	2	8.02	2	667		109470	1	
3017	62 PSC	00 45 41.559	+07 01 38-29		+0.010	5.93	2	5.76	2	5.07	2	B3V		114388	1	1
3018	16 MON	06 43 48.773	+08 38 30 21		-0.008		15	3.10	1-	3.0	-	A2	1	25678	D	
3019	4 LYN	u6 17 37 445	+59 23 46 • 56		+0.004	5.93 5.93	2	6.19	2		1	FOM		200459		
3020	ZET- 2 ANT	ug 29 23.743	-31 39 02 • 14		-0.002	5.93	16	0.1	1-		1	A4M	1	157987	ויף	1
3021	73 VIR	13 29 20.719	-18 28 18 39		-0.019	5.93		6.290	7		1	FO	1	44155	ν	-
3022	4 AI CVN	12 21 19.690	+42 49 10 . 04		+0.009	5.935	٠	7.375		1		GM1		238304	D	١
3023	-T- 1A CAR	10 37 04.718	-58 33 22.51		+0.009	5.94	2	6.43	2	1		DF4		156685	D	-
3024	16 KAP CRT	11 24 38.231	-12 04 54 43		+0.015	5.94	1	0.40	15	1	1	DF1	1	A2650	י ת	
3025	39 COM	13 03 55.003	+21 25 16 61	-0.0052	-0.048	5.94	5	7.43	2	9.12	12	GK5	1	157760	٧?	1
3026	50 V1R	13 07 08.029	-10 03 47.22	-0.0000	-0.018	5.94	ľ	5.81	17	'**	1	BZIIIE	7	224514	DV	1
3027	V 767 CEN	13 50 49 586	-46 52 56 54		-0.004	5.94	1	6.030	1 .		İ	A3V		116953	1	
3028	30 -C CNC	08 34 23.191	+09 49 49 87		+0.002	5.94		5,000			1	GG5	1	80674	1	
3029	79 CNC	09 07 28 692	+22 12 02 42			5.94		6.780	ı l	2.0	1	DKO	Ì	80478	D	l
3030	55 RHO- 1 CNC	08 49 37.369	+28 31 23 • 16		0.239	5.94	2	6.24	2	6.22	2	FOV	1	92659	\ \V \?	1
3051	54 CET	01 48 12.521	+10 47 47.76		-0.014	5.94	1-		1-	0		GM6	ţ .	93189	V	-1
3032	45 RZ ARI	02 52 59.598	+18 07 48 95		7 -0.081	5.94	2	6.02	2	6.32	2	A2	1	163626	D	1
3033	12 OMI- 2 CAP	20 27 01.999	-18 45 00.30		2 -0.125	5.94	2		2	6.54	2	F8		126535		-
3034	L 4 EgU	21 02 58.00	+05 45 34 46		-0.006	5.94	2	6.10	12	6.26	2	A2M?		142372	-	-
3035	61 SCA	18 29 21 99	7 -01 02 24 - 30		-0.029	5.95	1		1			i a		210295	סן	-
3036	KAP- 2 CRA	18 29 56.221	-38 45 51 01		2 -0.151	5.95	2	6.59	2	6.79	2	G2V		31898	- 0	1
3037	16 -C- 1 CYG	19 40 29.115	+50 24 30 26		+0.223	5.95	-	- ' '	- 1		ļ.,	KOITI		3413	1	
303ც	74 DRA	20 32 26 02	5 +80 55 04.27	+0.020	3 -0.002	5.95	1	5.890	ol I		1	BOIR		71329	l D	-
3039	69 CYG	21 23 44.25	7 +36 27 02 44	-0.000	9 -0 -184	5.95	2		2	6.34	2	F5IV	1	52761		1
3040	6 AND	23 08 08 18	+ +43 16 31 • 53		2 -0.010	5.95	2		2		2	GK4		109715	V?	1
3041	33 CET		5 +02 10 48 30		4 -0.021	5.95	2		12		2	K4III	1 .	129169		- 1
3042	34 CET	01 09 10 - /60	3 -02 30 58 25		7 -0.061	5.95	-		1		1	A5		170601	1	-
3043	NU - 1 COL	05 35 17.91	27 53 57.55		9 +0 - 135	5.95	2	6.50	2	6.47	2	GOV		63177		-
3044	10 CVN	12 42 37.65	+39 33 00 73		8 -0.183	5.95	2		2		2	GK3	1	119245		
3045	10 VIR	12 07 07.50	+ +02 10 42.92		8 -0.002	5.95	2		2		2	B3V		99673	D	1
3046	90 LEO	11 32 06.40	3 +17 04 24 58		0 -0.002	5.95					2	GK3	ŀ	118634	1	1
3047	62 -P- 3 LEO	11 01 03.02	1 +00 16 07.46		4 -0.052	1	1-	1	1			DF1	1	61648	1	- [
3048	13 LyI	09 39 42.26	1 +35 19 22-71						-	1		A7N	ı	59571	ם	
3049	59 AUR	06 49 35.14	9 +38 55 51 05		5 +0.006	5.96			1		-1	A5		80585	1	-
3050	67 CNC	08 58 50.26	7 +28 06 03.23	1-0.004	2 -0.080	7.70	1	ł.				1	1		I	_1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA DEC	VISUAL MAG.	Ŋ	BLUE MAG•	B N	UV MAG.	U N	SPECTRAL CLASS	7 7	SAO CAT.NO.	STAP PROP.	G N
	T PuP	07 45 25 895	-40 31 34.75		-0.0009 -0.031	5.96						M1		219004	V	
3051		u7 16 31.277			-0.0020 +0.000	5.96						bά	1	218618		
3052	Կ P∪P 58 G∟M	07 20 27 965	+23 02 35.89		-0.0015 -0.038	5.96		5.950				A1"		79354		l
3053			-05 47 06.61		-0.0013 -0.203		2	6.88	2	7.54	2	DKI		130634 104797		
3054		19 22 07-276	+16 50 20.54		-0.0003 -0.010	5.96		6.010				Α Μ	1			
3055	2 5GE 15 TAU- 3 5CP	15 33 16.933	+17 49 15 29		-0.0055 -0.01	5.96						GGR		101631 84240	ν	
3056		16 09 30 172	+23 37 22 22		-0.0022 -0.014	5.96						GM4	1		l v	Ì
3057		14 42 57.086	+01 06 37.85		-0.0000 +0.01	5.96		5.950	1			89		121834		
3056		10 15 34.459	+68 44 16.53	1	+0.0023 -0.059	5.97		100				GK <u>1</u>		17837		
3059	37 DRA 9 SGR	18 00 48 403	-24 21 48.67	1	+0.0002 +0.002	5.97	2	5.97	5	5.08	S	05	l	196204 76343	1	1
3060		03 54 05 640	+23 01 54.79		+0.0007 -0.01			5.960				89.5IV				
3061	33 1AU LAM- 2 5CL	00 41 47.213	-38 41 48.74		+0.0203 +0.12	5.97						GK0	1	192703 74373		1
3062		on 53 16.764	+26 56 19.28	1	-0.0013 +0.013			6.080				VEA	1	137533		
3063		10 20 54.805	-03 49 14.54		-0.0035 -0.00	5.97	2	5.87	2	5.70	2	A P	1		ŋ	1
3064	1 77	11 01 44.751	+38 30 40 - 27		-0.0064 -0.00			6.140	1			A3V	1.	62387	ٔ و ا	
3065		13 07 45 560	+38 45 51 . 02		-0.0063 +0.03	5.98		4.5	1			F0		63390	2	
3066	17 CVN 39 AND	01 00 05-087	+41 04 36.77		-0.0019 -0.00	5 98	2	6.14	2	6.23	2	A7V	1	36874	0	
3067		18 12 14 367	-20 24 16.63		-0.0002 +0.00	5.98	5	6.02	2	5.14	2	0911	ì	186544	p	1
3068		16 44 38 330	+02 09 11.52		-0.0011 -0.01	5.98	1.		1		1	A2		121859	1	
3069	1	16 45 43 605	+42 19 37 19		-0.0003 -0.02	5.98	1	7.58	7		ĺ	M4	1	46298	ν	
3070	1	~1 20 15.492	-09 32 00.61		-0.0020 -0.02		2	7.53	2	9.41	2	GMO	1	145351	200	1
3071		21 20 13-447	-34 09 57.86		+0.0003 -0.00		1	1	1		1	AZIV	1	213078	DV?	1
3072		20 05 26.899	-00 49 24.60		+0.0075 -0.06		5	7.01	2	7.91	2	GK1		144005		1
3073	AC DRA	10 19 53-155	+68 43 13-55		+0.0030 +0.03		1			1		GM5	1 .	18817	0V2	
3074		20 48 46.697	-05 48 52.80		+0.0064 +0.00		2	6.45	2	6.48	2	NF3		144877	1.005	
3075		10 17 31.899	+11 26 27.55	;	+0.0027 +0.02			6.060			1	A3V		104728	1	
3076	29 OME- 2 AQL	10 40 17.736	-19 10 24 73	3	-0.0000 -0.05				1		1	GG5		163060		1
3077	57 S.R	02 03 58 785	+25 28 01 •65		+0.0013 -0.00			5.970)		1	B8V	1	75149	J.	
3078	11 ARI	10 44 48.265	+06 28 06 15		+0.0008 -0.01		2	6.93	2	7.63	2	GG6	1	109461	1	1
3079	60 PSC TU HoR	67 29 00.677	-47 32 42.31		+0.0076 +0.02		2	6.10	2			A2V	1	216357	l v	1
3080		05 25 38.542	+38 07 22.55	5	-0.0034 -0.12		2	7.22	2	8.38	2	KSIII		59658	1	1
3081		12 58 01-260	-03 06 00.31	il.	-0.0019 +0.04		2	7.11	2	8.20	2	GK2	ŀ	139096	D.,	1
3082	46 VIR	13 30 23.507	-06 56 18.80	51"	+0.0031 -0.01		1		1		1	GM7E_	1	139403	· · V	
3083	VY UMA	10 41 37-141	+67 40 27.25	5 l	+0.0007 -0.00		2	8.41	2	13.18	2	C6-3	1	15274	D.	
3084		11 29 10 09	+14 38 35 -50		-0.0228 -0.19		İ		1		1.	DF7	1	99648		1
3085	86 LEO R CAR	09 30 59.210	-62 34 01.09		-0.0049 +0.01		1 [7.350		7.950	[1]	GM5E	1 -	250614 96407	DV V	
3086	NP GEM	06 59 31.039	+17 49 42.62	2	+0.0011 +0.04	2 6.00	7				Ì	M1	7	1	ľ	
3087		07 57 26-97	1 +60 27 48 10	o	-0.0058 -0.02		1	6.130		1	1_	A2P	7	198273	"	
3088	53 AX CAM	07 38 10-83	0 -37 27 46.0	1	-0.0005 -0.01		2	5.96	2	5.50	2	B3IV		97694	l v	1
3089	R CNC	08 13 48.54	0 +11 52 52.59	9	+0.0008 -0.01	3 6.0			1		1	GM7E			l v	
3090	S LEP	06 03 41-86	2 -24 11 22.9	в	+0.0014 -0.01						1	M6		171222	ח ו	-
3091			0 +64 07 30 - 31	в	+0.0009 -0.06		1	6.01	0	1		B9		150058	''v	1
3092	19 CAM	1	7 -14 52 47.41	в	+0.0010 +0.02	0 6.0	1	1	1		1	C7-4E	1	75945	ا م	1
3093	66 ARI	1	7 +22 37 59.7	6	+0.0000 -0.10			1	_ _	1		SGG6	.1	12472	V	1
3094	SU CAS	no 47 28.87	9 +68 40 59•2	2	+0.0009 -0.00		1	6.621			1	F5I-II		23149	D .	1
	7 CHI PER	no 14 32.31	6 +57 17 09•5	7	-0.0023 +0.01		1	7.05	U.	}	1.	GG6	1.	93611	ν?	-
3096 3097	30 -E TAU		1 +10 59 27.5	1	+0.0018 -0.01			1				B3V	1	131442	D	
	55 B ENI		9 -08 53 09-90	6	+0.0010 -0.01				5		12	F2IIIP		109656	, ,	1
3096			2 +05 23 19.5	9	+0.0017 -0.00	9 6.00	2	7.51 5.88		9.36	2	GK5 B6V		64833	D	4
3099			6 +36 47 52.7		-0.0015 -0.01	6 6.00										

TABLE 5 CONTINUED
STAR JESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG WN SEC	N	RA PM	DEC PM	VISU:L MAG.	Ŋ	BLHE MAG.	B N	~	N	SPECTRAL CL^SS	υ. - 1	SAO: CITINO:	STAR PROP.	
3101	MU - 1 OcT	26 35 56.354	-76 21 30.60		+0.0575	-0.011	6.00	2	6.44	2		2	F5IVN		2 7838		T
3102	16 PéG	21 57 37.992	+06 28 36 77		+0.0006	-0.001	6.00	2	5.88	2	5.31	2	BSITI		127210		ļ
3103	S CRB	15 19 21.526			-0.0016	-0.010	6.0	4					- M7E :	4.	64652	1.6	1
3104	V MON	06 20 12.434		1	+0.0017	-0.067	6.0	4					M6E	. 4	133182	٧	
3105	V 373 CAS		+57 08 02.01	-	-0.0011		6.00	2	6.22	2	5.50	2	Bn.5II	i .	35899	- A	١
3106	R OPH		-16 01 39.54	1	-0.0014		6.0	4					45E	4.	160209	·V	1
3107	V HYA	10 49 11 303			+0.0004		6.0	4				ĺ	N:	14	179278	V	-[
			+20 35 42.07		+0.0240		6.01						DF4		90462	י ר	1
3106	33 PEG 47 -C- 2 CAP	21 43 36.291			+0.0012		6.01	2	7.67	2	9.53	2	MBITT	7	145648	V	-
3109			+14 24 14.16		-0.0005		6.01	-		_			GK4		106384	V?	ı
3110	10 DEL	20 55 55.847			-0.0031		6.01	2	6.24	2	1.00		A3		164027	V	-
3111	UV AUR		+16 11 05.00		+0.0019		6.01	2	6.91	2	7.52	2	135III		101679		
3112	19 TAU- 6 SCP	16 01 17.164			-0.0029		6.01	-	3.72	_	1.00		GOIII		121333	ר	-1
3113	43 ScP				+0.0070		6.01						A5.		92082		-
5114	59 PSC				-0.0014		6.01			l			DF7		92998		1
3115	29 ARI	U2 30 09.550			+0.0014		6.01	2	5.99	2		- 1	AOV		168701		١
3116	TAU FOR	03 36 42.771	-28 06 19.13 +56 05 51.10		+0.0025		6.01	-	3.,,	-			A2		25362		
5117	Z6 CAM	05 42 17.335			+0.0006		6.01	2	6.18	2	6.29	2	ASTII		137183		
3118	6 SEX		-04 00 29.52			+0.088	6.02	2	5.98	2	5.89	2	AIV		117959		
3119	7 SEX		+02 41 17.35 +56 33 28.80		+0.0018		6.02	-	3.77	-] 3.03	Γ.	s669		25333	ľ	
3120	24 CAM					-0.022	6.02		5.980			١.	B9		25419		
3121	30 CAM		+58 57 08 41		-0.0020		6.02		6.160				AZV		94514		
3122	116 TAU	05 20 44.314			-0.0124		6.02	l	0.100			l	DF4		78929		
3123	39 G_M	u6 55 42.522			+0.0007		6.02		6.080			İ	A2V		76073		
3124	11 TAU		+25 10 09.75			-0.026	6.02	2	6.36	2	6.39	2	A9N		93993		
3125	85 TAU	04 29 00.180				+0.005	6.02	15	1 3.30	1-	10.07	-	DF1		39604	.	
3126	57 -M PER		+42 57 33 02			-0.029	6.02		6.020	l	5. 4.	1	AOV		101962	ŀ	
3127	B HER		+17 20 13.86			-0.066	6.02		0.000			1	K3III-IVP		158946	l-n	1
3126	LIB LIB	14 56 11.058				-0.018	6.02	1		1	1		GK5	İ	143894	ļ .	
3129	56 AuL		-08 42 19.98			-0.092	6.02	1		1			669	1	162521		
3130	45 RHO- 2 SGR		-18 24 10 03			+0.059	6.02			1		ı	A4		67310	l n	
3131	4 EPS- 18 LYR	18 42 40 865				-0.031	6.026	2	5.896	2	5.296	وا	B8V		204917	0	
3132	3 -K- 2 CEN		-32 44 51.73 +10 01 04.88			-0.002	6.03	1	5.970	1	3.230	-	AP		99136	ערו	
3133	45 CX LEO					-0.004	6.03		5.980	1:			Anv		75915		
3134	65 ARI		+20 37 38 +96			-0.019	6.03	2	7.11	2	8.12	2	GG6		109753		
3135	Be PSC	u1 12 06.140				-0.005	6.03	۲.	1.12	-	10.12	-	GK4		75188		
3136	16 A 71		+25 42 07 42			+0.017	6.03	1					A2		212499		
3137	BET MIC		-33 21 57.72			-0.013	6.03	ŀ	5.960	1	i	1.0	В9		144468	ן כו	
3138	66 AQL	20 25 47.782				-0.150	6.03	2	6.65	2	6.84	2	GIV		257836	D	
3139	MU - 2 OCT	20 35 50 155				-0.007	6.03	١٠	0.00	-	10.51	-	669		191444		
3140	21 PSA	22 48 35.745				-0.073	6.04	2	6.66	2	1	1	GSIV	}	231343	1.	
3141	TAU- 1 GRU	22 50 40 838				-0.037	6.04	2	6.31	2	6.44	2	DFO		109643	ס	
3142	26 CET	01 01 14.463				-0.008	6.04	-	7.67	7	•••	-	GM3	1	79940	l v	
3143	9 BL CNC		+22 46 47.76			-0.006	6.04	2	7.68	2		1	GM1		156093	מו	
3144	PHI - 2 HYA		-16 05 05 81			+0.028	6.04	1	1.00	-		1	DAB	1	81542	1 "	
3145	LMI LMI		+28 14 18 50				6.04	1		1			A3	1	142706		
3146	8 AoL		-03 22 40 70			-0.025	6.04	2	6.55	2	6.54	2	DF5	l	8994	SAG	
3147	40 DRA		+79 59 47.77			+0.127		16	9.55	15	1 3.37		DF3	1	27215	Ď	
3148	37 LYN		+51 28 35-39			+0.146	6.05	2	6 20	2	4 30	2	A3	[250583	1 "	
3149	-N CAR		-64 42 45.04			+0.059	6.05	16	6.20	16	6.30	1-	A3		100260		
3150	34 VIR	12 44 42.587	+12 13 52.05) I	1+0.0028	-0.023	6.05	1	1	1 .	1	1	40	1	100500	1	

TABLE 5 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

		\$1	TAR DESIGNATION	N2	ANU STAF	DATA OF	COLINEO O	1		· · ·						- T. C	G
		RT. ASCEN.	DECLINATION	ρŢ	RA	DEC	VISUAL	v	BLUE	В	IJV	U	SPECTRAL	, F	SAA CAT.NA.	STAP PROP.	17
	STAH			N	PM	Рм	MAG.	N	MAG .	14	MAG.	N	CLASS	<u> </u>	CA1.NO.	PAUL.	<u> </u>
NUMBER	DESIGNATION	HR MN SEC	DEG MIN 3EC	\dashv			 	-							90204	İ	
227	2B C C	08 25 39.062	+24 18 43.94		-0.0022	-0.061	6.0°						A5	7	256549	y	
3151		ue 44 58.108	-78 53 15.10		-0.0093	+0.039		5	6.28	2	6.36	2	Д5 99	1 '	256214	1	
3152	RS CHA	05 38 39 383	-78 50 55.65		+0.0034		6.05	2	6.03	2	5.7r		89.5V	1	55330	7	'
3153		02 07 50.209	+38 48 16.40		-0.0013	-0.014	6.05		6.030		2 -0	,	GK2	1	128612	l	43
3154	1 ~	00 05 38-407	-02 43 33.57		+0.0004		6.05	2	7.43	2	8.59	2	G1V	i	258084	ľ	1
3155		22 51 12.632	-70 20 29-10	1	-0.0077		6.05	2	6.71	2	6.95	-	A3	1 .	51100	7	
3156	RHO IND	21 35 32.681	+44 28 16.95		-0.0004		6.05		0 -7	12	13.87	2	C6-3	}	71613	V	
3157	V 460 CYG	21 39 54.349	1+35 16 53 25		+0.0004		6.05	2	8.57	4	13.07	1	B2V		93284	V	1
3158		03 04 36.452	+17 41 17.98		-0.0018		6.06				100	•	89	1	36256	n	1
3159	1	00 16 03.439	+43 30 49.02		+0.0017		6.06	_	5.980				AOV	1	192690	n .	1
3160	LAM- 1 SCL	00 40 18.717	-38 44 13.64	-		+0.000	6.06	5	6.03	2			AZV		78402		1
3161		06 24 58 201	+20 31 41.13		-0.0024	+0.005	6.06	1	6.070		1	1	DF1	i	60896	ł	
3162		08 30 09.596	+36 36 26 92			-0.004	6.06			1		1	GK5		26459		-
3163		07 36 41.921	+57 11 57.00			-0.012	6.06	1		1		1	AO	1	153363	0	1
3164	23 LYN	1 07 43 11.072	2 -14 34 04 60			-n-030	6.06	1	6.40	2	6.47	2	DFO	1	258280	ח	1
3165 3166	TAU- 2 HYI	01 48 11.758	1 -80 25 25 82	1 1		-0.064	6.07	2	6.44	2	0.77	-	DFO	1	217032	י ני	1
3167	NU CAE	nu 48 38.539	9 -41 24 21.86			+0.066	5.07	2	6.09	2	6.13	2	AI		126597	י ר	
3168	6 EQU	21 08 05.428	3 +09 50 38.44			+0.019	6.07	2	0.0	1	3.13	1	A5	1	139370	DV3	
3169	72 -L- 1 VIR	1 13 27 48.983	3 -06 12 45.99	1. 1		+0.012	6.07	12	7.19	2	8.32	2	GK.3	1	118269		1
3170	43 LEO	1 10 20 23.494	1 1+06 47 49.72			-0.104	6.07	16	6.28	7	0.02	1	K M	6	103069	את	
3171	V 624 HER	17 42 00.627	7 +14 25 49.35	1 1		+0.017	6.07	2	7.00	2	7.62	2	G5111		84692	D :	1
3172	56 HER	16 52 59.215	+25 48 35 84		+0.0009	-0.022	6.08	2	6.20	2	'		A2		159105	1	1
3173	LIB	15 10 27.954	+ -19 27 38.01	1 1		-0.041	6.08	1-	6.090			1	AIV		99090	V?	1
3174	42 LEO	10 19 09.063	3 +15 13 42.20			+0.004	6.08	1	6.080				A2V	-	108729		1
3175	74 PEG	23 35 07.586	6 +16 32 55 04	1		-0.020	6.08	1			1		DF6		76727	1	1
3176	95 TAU		6 +23 59 45 23			-0.033	6.08		6.33	17		1	A4N		92979	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
3177	26 UU ARI		5 +19 38 03 63			+0.001	6.08			1.			DF2+A2		12180		1
3178	55 CAS	1	7 +66 17 29.32			-0.042	6.08	2	6.30	2	6.43	2	A3		136408	D	
3179	17 B HYA		4 -07 46 40 43		-0.001	+0.003	6.08	2	5.89	2	5.27	2	B8		172318	l p	
3180	12 CMA		5 -20 57 36.18			-0.050	6.09						A0		40925	10	l
3181	41 A AUR	06 07 46 - 77	1 +48 43 24.85 2 +23 59 16.91			-0.010	6.09	2	6.99	2	7.61	2	GSIII	- 1	78168 25125	1	-
3182			8 +58 03 57.70			8 -0.020	6.09	١.		1			BSIV		97806		
3183			8 +17 12 44 52			3 -0.156	6.09						DF4	1	57000		
3184			3 +37 35 53.44		-0.009	3 -0.190	6.09	2	7.04	2	7.79	2	KIIII	·	164996		
3185			9 -13 33 21.87	,		2 -0.009	6.09	1		1			GG7		81576		.
3186	45 AOR	12 50 19.03	4 +25 45 26 67	•		0 -0.001	6.09		1	1.		ا	A M		252951		-
3187			0 -65 47 16 84		-0.002	2 -0.027	6.09	2			5.43	2	B4V	ł	130805	D	7
3188			5 -03 05 57 22	2	+0.001	6 +0.010	6.098					3 2	O PE	- 1	56815		
3189			4 +30 54 00 -82		-0.001	0 -0.005	6.10		6.39			2	KOIII	1	40818	1	- .
3190		05 59 41.61	8 +42 54 55 - 21			6 -0 • 1 4 4		2			7.85	14	B7III	-	63374		
3191		ul 13 07 24.05	7 +38 47 58 97	71	-0.001	6 -0.002	6.10		5.98	U			GRIII-IV	, -	28408		-
3192		1 12 27 44.26	66 +59 02 38•10	וַכ		7 -0.028			7.50	ار		-	Gn		238635		
3193		10 55 45.60	11 -59 27 50 8	?		2 +0.013					1		FOIII	ı	247031		
3194		1 21 22 42.26	551-54 52 39•96	5		4 +0.043		4	6.44	١	1	- [R8	1		V	
3195 3196		s 20 18 03.21	1 +47 44 09•91	L		0 +0.030		4		1		1	NP	L		. V	
3197	' l	12 54 28.10	2 +66 15 51 9	7		1 -0.034			7.00	n			GGO		243586		
3198		16 14 42 48	30 -57 46 42 59	9 '		7 -0.002		1 -	6.70		6.70	2	1	1	101792		- 1
3199	· 1	P 15 50 52.21	13 +13 21 07 •1	7		4 -0 - 559		ľ	3.70	١		1	B5+A2		209959	יעת	
3200			36 -34 07 35·31	В	-0.001	1 -0.009	6.1	-				1_	1	L_			

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N N	BLUE MAG.	B N	ijV M∧G•	Ŋ	SPECTRAL CLASS	5 11	5A1 C.T.10.	STAR PROP.	;
3201	Hq0 Y	17 49 57.778	-06 07 59.02	+0.0003	-0.010	6.10		7.400				GNP		1:1926	V	
3202	97 HER		+22 55 17.34	-0.0004	5	6.10		6.000				B3V		A5676	l .	1
3203	RY SGR		-33 36 40.91	+0.0010		6.1						FP	١.	211117	V	1
3204	OS AQL		+13 41 53.57	-0.0003		6+1						93		105132	۸۲	
3205	-S- 1 V _C L		-44 48 42.95	-0.0017	+0.003	6.101	2	5.951	2			BA	l	222125	7	16
3206	38 VIR	12 50 37.388	-03 16 54 20	-0.0174	-0.006	6.11	5	6.61	2	6.65	2	DF6	1	139022		
3207	V 716 CEN		-54 23 31.02	-0.0018	-0.018	6.11	2	6.16	2			B9	1	241552	V	1
3208	29 OMI LIB		-15 22 09.69	+0.0015		6.11						A6N		159191	1	1
3209	7 SCP		+12 44 43.06	-0.0002		6.11		6.080				B9.5V	İ	101508	.,	1
3210	V1010 OPH		-15 34 54 81		+0.028	6.11	ا ۽ ا	· -0	٦			A3 BOTAP?	1	227473	, i	
3211	V 861 SCO	16 53 06.857	-40 44 43.52	+0.0004		6.11	2	6.38	2	4 114		1 " "		127836	. "	.1
3212	1 PSC		+00 47 52.57		+0.006	6.11	2	6.31	2	6.46	5	A3 A5	1	213136		- 1
3213	7 PSA		-33 16 21 67		+0.000	6.11	5	6.18	2	6.26	2	AS		51100		
3214	76 CYG	21 39 33.406	+40 34 39-11		-0.042	6.11	2	6.40	2	6.50	2	FZII		132714	V.	-
3215	1 V 474 MON		-09 23 06 27		+0.010	6.11	6	0.40	۱	3.70	-	MITA		78098	V	
3216	6 BU GEM		+22 55 17.93 -56 10 50.75		+0.027	6.11	2	6.01	5			89	1	233952		-
3217	KAP PIC	u9 09 57.872			+0.015	6.11	2	6.33	2	6.45	2	AZ		136662	1	1
3216	21 HYA 7 CV ERI		-03 04 33.63		+0.009	6.11	2	7.88	2	9.95	2	GM1		130242	V	
3219	7 CV ERI OME PHE		-57 16 16 58		+0.023	6.11	2	7.05	2			GAIII		232268		
322 ₀	13 CAS		+66 14 37.43		+0.000	6.11			-			85	1	11243		1
3222	16 CET		-13 09 04 22		-0.198	6.11				2.5	1	DF8	1.	147432		
3223	NW PSC		+06 12 49.96	+0.0014	-0.002	6.11	2	7.78	2	0.69	2	GM2	7	119581	יער	
3224	36 PSC	u0 13 59.725	+07 57 45.71	-0.0017	-0.008	6.11	2	7.03	2	7.69	2	GG6	ŀ	109100		
3225	27 CET	01 03 06.491	-10 14 46 80		-0.030	6+12	2	7.13	2	7.98	2	KOIII	1	147601	١	-
3226	HT LAC		+46 30 05 27		-0.016	6.12	2	7.72	5	9.49	2	GM8	1	51632	V	-
3227	18 SGE		+21 26 38 • 76		-0.022	6.12	2	7.16	2	8.08	2	KIIII	İ .	88433 65262	n	
3228	23 HER		+32 26 54.77		-0.010	6.12	1	6.180	.,	1		A3V GM4	7		ΰV	
3229	V 640 HER		+16 57 35 28		+0.009	6.12	2	7.73 6.38	15	6.43	2	FOV	'	140502	"	
კ23ც	B ScP		-00 50 43.12		-0.033	6.12	1	6.080	2	0.43	1	Baiv		105199	l	1
3231	48 PSI AOL		+13 10 53 69		+0.014	6.12	ŀ	0.000			1	A3		A3130		1
3232	11 B00		+27 37 38 44 +36 25 35 19		-0.052	6.12	1	7.62	7	8.90	7	GM3	7	205966	l v	1
3233 3234	V 758 CEN 1 CVN		+53 42 45.72		-0.020	6.12	i					GKO	1.	28319	1	1
3235	1 CVN 7 CVN		+51 48 40 66		+0.019	6.13					1	DF6		28407	1	1
3236	PSI CRT		-18 13 38.86		-0.035	6.13	2	6.12	2		1	A0		156528	0	
3237	55 DRA		+65 53 41.42	-0.0009	+0.034	6.13		ļ .	1		1	A2	1	18187		1
3238	V 986 OPH		+01 54 54.01	-0.0003	-0.003	6.13	2	6.13	2	5.23	2	B0.5III		123090	V	1
3239	12 TAU- 2 SCP		+16 13 28.43	-0.0000	+0.005	6.13	1.	6.080			1	BeV		101600		1
3240	75 PSC	01 03 55.550	+12 41 19.12	+0.0010	+0.038	6.13			1			GG7		92250	1	1
3241	101 PSC		+14 24 23-13	+0.0002	-0.007	6.13		6.090	1		1_	BOILI	1	92530	V?	
3242	THE TUC		71 32 30.93		-0.018	6.13	5	6.36	2	6.56	2	A4M?		255679		
3243	61 CNC		+30 25 37.71		+0.020	6.13	1_		1_			DF3	1	61029	D	
3244	46 CNC		+30 52 49 01		-0.006	6.13	2	7.07	2	7.70	2	GSIII	1	117088	1	
3245	10 HYA		+05 51 46.78		-0.008	6.13	2	6.33	2	6.43	2	DF3+A		79704	D	1.
3246	82 GEM		+23 15 59.26		+0.005	6.13	1	5.97	2			B3V	1	153796	"	
3247	14 PUP		-19 35 06 67		+0.000	6.13	5	6.210				AZIV	1	77057	1	
3248	108 TAU		+22 13 45 68		-0.011	6.13	وا	6.626		6.636	2	DF3	1	89939	ח	١
3249	78 MU - 2 CYG		1 +28 30 57 84		-0.215	6.136	15	7.73	7	0.030	_	GM3		80476	Ϋ́V	
3250	53 BO CNC	1 08 49 28.436	+28 26 53 64	-0.00T	120.000	0.14		1	1	1 0 1 5	1:	1	1		l	\perp L

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR SESIGNATION	RT - ASCEN -	DECLINATION P		DEC PM	VISUAL MAG.	V V	BLUE MAG.	B 2	VAG.	U N	SPECTRAL CLASS	4 2	SAO CAT.NO.	PROP.	'
	CO A. D	00 47 30.141	+44 43 48.35	+0.0065	+n - no8	6.14		6.16				AnP	-	36712	v	1
3251	60 AND	02 47 38.022		-0.0034		6.14	2	7.21	2			G5		1680A1	ר	
3252	GAM-1 FOR		+50 20 51 15		-0.089	6.14	_		-			rF{		23353		1
3253	b6 AND				+0.050	6.14	2	6.54	2	6.50	2	DF4		130395	l	
3254	14 ERI		-09 20 18 49		-0.052	6.14	2	7.15	2	7.89	ē	KUIII .		93568		1
3255	14 TAU		+19 30 30 60		-0.008	6.14	-	6.300	-			B3V		76591	ŋ	
3256	62 TAU		+24 11 10 -61		-0.024	6.14		0.300				ΑV		187146		1
3257	26 SGR		-23 52 54 27		-0.007	6.15		6.250				ΑV		55338	V 2	1
3258	5 TRI		+31 17 30 - 37		-0.105	6.15		0.200			44.7	DG4		02611		- [
3259	109 PSC	01 42 11.644	+19 50 02.99				1 1					DF1	1	190069	ΛÀ	١
3260	27 CAP	21 06 41.624	-20 45 30 12		-0.122	6.15					ł	DFO	١.	165308		
3261	70 AGR	22 45 52.389	-10 49 12 64		+0.005	6.15	2	7.73	2	9.63	9	GM2		146465	l	
3262	82 AQR	22 59 56.808	-06 50 34.38		-0.033		ا ۴ ا	1.75	٦	-,05	[-	DF3	l	52147		1
3263	35 LMI	10 33 29.616	+36 35 12 12		-0.042	6.15						AO	1	158147	1	-1
3264	85 VIR	13 42 53.232	-15 31 01.28		-0.029	6.15				1.0		Âi		139942		
3265	104 VIR	14 24 46 655	-05 53 44 69		-0.062	6.16		7.77	7	9.54	7	MATITA	7	62206	l v	-1
3266	RX LMI	10 39 23.503	+31 57 32.92		-0.026	6.16	:		l ' l	3,34	1	GK1		A1533		-
3267	LMI LMI		+29 40 51 91		-0.046	6.16	اما	7.01	2	7.63	2	DKO	ļ	118864	n	1
3268	83 A LEO	11 24 13.447	+03 17 08 98		+0 • 177	6.16	2	6.160		1,03	٦	ASV	l	108078		1
3269	41 PEG	22 37 21.508	+19 25 12.95		-0.006	6.16		6.140			ŀ	B9	ĺ	163471	n	ł
3270	BET- 1 CAP	20 17 58 071	-14 56 38.31		+0.001	6.16	٦				١,	F2	1	255835	1 "	١
3271	SIG HYI		-78 35 34 84		+0.054	6.16	2	6.60	2	7.62	5	5GG3		129019		- 1
3272	21 CET		-09 00 39.81		-0.048	6.16	2	7.08	2	1.02	٢	GM2	İ	97798	ס	1
3273	S1 CNC		+10 47 40 • 32		-0.026	6.16		مجنعأ	1		1	AIV		79869	'	-1
3274	4 CNC		+25 13 43.71		+0.017	6.16		6.170	1			DF3		97594	i .	-
3275	12 C,1C		+13 47 16.08		-0.020	6.16	ļ. i		1			B3N	1	94543		1
3276	113 TAU	US 23 12.185	+16 39 26 94		-0.004	6.16			1			BO.5IIIP		48940	Ιv	1
3277	V 819 CYG		+47 40 36-27		-0.007	6.16	١.	٠			1	1	ļ	159187	1 '	-1
3278	26 L1B		-17 58 42 19		-0.065	6.17	2		2		Į.	GG8	Į .	112406	V	-[
3279	w ORI		+01 06 37.21		-0.006	6.17	2	9.61	2		١,	C5~3	1	112436	1 '	-
3280	13 ORI		+09 24 44.95		-0.377	6.17	2	6.79	2	6.88	2	DG2	1	126940	D	-1
3281	J P⊾G	21 35 14.137	+06 23 33.95		-0.003	6.17	2	6.20	2	6.22	2	AO		164923	1 "v2	
3282	39 AuR	22 09 44.078	-14 26 26 99		-0.039	6 • 17					1	DF2	1	191337	V -	١
3283	19 PSA	22 39 35.486	-29 37 22 08		-0.011	6.17	١.	7.690				GM5	1	70135	D	1
3284	44 CYG		+36 45 59.07		-0.002	6.18	2		2	7.93	2	F5IAB			D	- 1
3285	7 LEO		+14 36 13.46		-0.005	6.18		6.220			_	A1V		98662	"	ı
3286	ETA OCT	10 59 42.379	-84 19 29 69		0.007	6.19	2	6.30	2	6.42	2	A0		258600		-
3287	78 AGR	22 51 57.934	-07 28 15 22		-0.034	6.19	5		2	8.88	2	GK3		146382	1	.
3288	65 PEG	23 20 10.898	+20 33 15.75		-0.012	6.19	1.	6.140				B9.5IV		91220		-1
3289	10 CET	00 24 03.431	-00 19 34 65		7 +0+004	6.19	2		2	7.65	2	664		128760	l v	١
3290	DL ERI	03 54 13.932	-09 53 41.18		7 +0.017	6.19	2	6.47	2		1_	F0	l 6	130833	v	- 1
3291	TZ MEN	05 39 50 784	-84 48 57.74		+0.047	6.20	2	6.18	2	6.07	2	A1V		258418	, v	1
3292	28 LYN	08 03 42-454	+43 24 20.78		7 -0.032	6.20					1	An	1	1-7986		ı
3293	39 PEG	22 30 10.326	+19 58 18-35		1 +0 • 034	6.20	1.	1		1 :	1	FO	1	248986	מ	1
3294	THE- 2 RET	04 17 06.303	-63 22 35 60	+0.003		6.2	4				1	B9	10		"	-
3295	48 CYG	20 35 29 698	1 +31 23 48 89		+0.003	6.20	1	6.100				BBIV		70297		ı
3296	69 DHA	20 01 02.423	1 +76 20 33 59		5 -0.056	6.20	2	7.81	2	9.70	2	M3III	1	9606	1 000	
3297	75 CYG	21 38 13.144	+43 02 46+22		+0.022	6.20	1		1	1	1	6MU	1	51167	יַעי	
3298	R VIR	12 35 57.669	+07 15 47:01	-0.001	800.00	6.2					1.	GM4E	1	119509	V	ı
3299	9 COM	12 16 59.435	+28 26 09.98	-0.015	0=133	6.20	1	1				DF8	1	92244] ,,	
3300	S CRU	10 51 23 582	-58 09 34 04		0.005	6.20	ı	6.900	r I	1	1	G0	1	240362	V	- 1

		Si	AR DESIGNATIO	NS.	TABLE AND STAF	5 CONT R DATA O	INUED RDERED F	Υ.	VISUAL	МΑ	GNITUDE			· ·			
	STAR	RT. ASCEN.	DECLINATION	P N	RA PM	DEC PM	VISUAL MAG.	V 7	BLUE MAG.	B N	ij۷	ZC	SPECTRAL CLASS	6 11	5A0	STAF	6
NUMBER	DESIGNATION	HR MN SEC	DEG MN SEC	N	PM	1 14	1100	-		-1				 			╁
3301	16 -C- 2 CYG	19 40 32.047	+50 24 02.76		-0.0146		6.20	2	6.86	2	7.07	2	G5V		31900 143454	ם ן	1
3302	U AGL	19 26 39.930	-07 08 53.40		+0.0014		6.20		7.300			_	G4		195928	1 ,,	10
3303	63 OPH	17 51 49.256			-0.0003		6.20	2	6.24	2	5.35 7.87	2	08 666		118111		1.
3304	14 SEX	10 04 10.580	+05 51 21.72		-0.0024		6.21	2	7.15 7.10	2		2	GG4	1	146443	1	
3305	3 PSC	22 58 04.009	-00 04 58 82		+0.0026		6.21 6.21	5	7.62	2		2	GK5	1	146447	1	1
3306	81 AQR	22 58 47.739	-07 19 48 12	- 1.	-0.0012 +0.0013		6.21	5	6.14	2	5.95	2	A1	1	128466		
3307	26 PSC	23 52 34.163	+06 47 34 70		-0.0038		6.21	4	0 . 1	-	3.75	-	MB	4	251957	l v	1
3308	BO MUS		-67 28 53·19 +04 10 02·12		-0.0001		6.21	2	7.48	2	8.86	2	KSIII		112837	V	
3309	CK ORI	· · · · · · · · · · · · · · · · · · ·	-08 16 01 12		+0.0114		6.21	2	6.44	2	6.53	2	A5		129275	1	
3310	44 CET	01 21 31.531 00 19 50.047	+13 12 18 46		+0.0042		6.22	-		1		l	GK2		91866	ר	1
3311 3312	42 PSC	u0 5 30.741	-69 46 28.74		+0.0001	1	6.22	2	6.78	2	6.86	2	F8	1	248269	UA5	1
3313	96 TAU		+15 49 07.01		+0.0003		6.22						GK3		94151	ن	
3314	60 PEG		+26 34 36 76		-0.0142	-0.114	6.22			1		1	KOIV		91040		
3315	26 VUL	20 33 59.613			+0.0013		6.22		6.450	ŀ		1	A4III	1	88884		
3316	50 LMI		+25 46 03.09		-0.0018	-0.019	6.22					l.	K0	1_	R1591	D.	1
3317	ETA CAR		-59 25 15.86		-0.0003		6.220	1	6.840	1	6.380	1	PEC	7	238429	עמ	1
3318	60 UMA	11 35 52.827	+47 06 42.03		-0.0042		6.22					1	DF2		43839 47080	v	1
3319	OP HER	17 55 22.254	+45 21 21 89	ΙI	+0.0002		6.22					1	M6S	100	105360		
3320	9 SGE	19 50 07.878	+18 32 31 85		-0.0002		6.22	2	6.23	2	5.31	2	OSF ABIV-V	7	84896	· v	ł
3321	63 HER		+24 17 51 07		-0.0009		6.22	l		1			AO	1 '	46128		1
3322	34 HER	16 28 43.475		1 1	-0.0056		6.22		7.93	7	9.89	7	GM3	1	244954	V.	1
3323	V 626 ARA	17 38 09.234		1 1	+0.0028		6.23	1	1.95	1'	3.117	1	AOSI		164043		
3324	20 CAP	20 56 45.807			+0.0021		6.23	2	7.13	lz	7.68	2	KOIII		92983	· .	
3325	27 ARI	05 01 50 604	+17 29 01.64 +58 57 15.46		+0.0002		6.23	-		-		1	GG5		25003	1	١.
3326	12 CAM		+22 24 04.85		-0.0007		6.23	l	6.150		100	1	Bay		77858	1	1:
3327 3328	141 TAU BL ORI		+14 45 04.15	1 1	-0.0010		6.23	2	8.57	2	12.07	5	C6-2	1	95659	V.	1
3329	25 LYN		+47 31 02.53	1	-0.0017		6.23		1				GK2	1	42055	1	. [
3330	47 CAM		+59 59 49.72	1	+0.0005	+0.013	6.23			1		1 .	AM		26298	L)	-1
3331	34 CNC	UB 29 56.657			+0.0001		6.23		6.210		1		AOV		97902 59589	1.	
3332	61 PSI- 8 AUR		+38 34 05 86	1	-0.0008		6.24		6.190	ļ .		1	B9P?		191970	1	-
3333	100 AgR	23 29 04 853	-21 38 44.06			+0.+007	6.24		1 11	1		1	A7N A0		188407	D	
3334	53 SGR	19 36 49 241				-0.031	6.24	١.	4 030		1	1	BBIII		105156	1 "	- [
3335	46 AOL		+12 04 28 62	1		-0.002	6.24		6.230	ı		1	ATITI		187342	D	
3336	30 SGR	18 47 50 126			-0.0017	-0.059	6.24	2	6.72	2	6.70	S.	DF6		117937	1	-
3337	4 SEX		+04 34 42.65	1.		-0.004	6.25	-	7.850		1 3. , 3	-	MOIII		15129	l v	1
3338	U UMA	10 11 41.697	+12 41 23.78			-0.029	6.25	2	6.52	2	6.57	2	A M	. [100327	1	
3339	VIR		+02 35 57.94			+0.014	6.25	-		[]	1	AD		122690	D	-1
3340	61 A OPH		+00 50 51.75			-0.030	6.25	2	7.27	2	8.07	2	GG7	1	128188	٧?	
3341	9 PSC		+38 30 08 68	1		-0.178	6.25	1		1			DF5	1	59576	1	1
3342 3343	60 AUR		+23 45 34.84			-0.002	6.25	2	6.70	2	6.31	2	BSIAB		78176		
3344	PI - 1 COL	06 05 08.216			-0.0037	+0.003	6.25						A M		217720		
3345	10 PER		+56 23 04-15			+0.012	6.25	2	6.55	2	5,94	2	BZIA		23304	1	ļ
3346	78 PSC		+31 44 44.93			-0.031	6 • 25	5	6.65	2	6.64	2	FSIV	1	54445	1	[
3347	LAM CAE		-41 09 24.57			+0.012	6 • 25	2	7.71	2			K5		216961		
3348	8 CAM		+53 04 51 -58			-0.008	6.26		1			1	GK3		79665	1	
3349	79 GEM		+20 26 16.20			+0.005	6.26	_	6.260		10.00	1	AOV		165972		
3350	1 CET	23 55 46.916	-16 07 32.92	1	+0.0055	-0.005	6.26	2	7.34	2	8.37	2	GG8	1	1037/2		- 1

TABLE 5 CONTINUES
STAR DESIGNATIONS AND STAR DATA OPPERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION		DECLINATION P	b∧ K¥	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N	MAG.	t1 U	SPECTRAL CLASS	k	CAT.HO.	եւննե	
		20 57 55.883	-04 55 28.38	+0.0030	-0.134	5.26						C1V		1 5022		
3351	11 AGR V 973 CYG		+40 35 42 40	-0.0060		6.26						MBIII		18799		
3352		10 26 22.714		-0.0001	-0.035	6 - 25	l	1.0				4KS		15196		1
3353 3354	35 U.A 9 LMI	09 30 26.554	+36 42 34 80	+0.0025	-0.039	6.26						GK4		41561		
3355	33 SEX		-01 28 41.50	-0.0093	-0.125	6.26	2	7.14	2	7.73	2	K1IV	ŀ	127728	1	1
3356	11 CVN	12 46 23.980		-0.0069	+0.011	6 • 27		6.440				Λ Μ		44332	<u> </u>	
3357	E COM	12 10 47.697	+23 18 44 13	-0.0016	-0.016	6.27	5	6.44	2	6.5A	5	A M		254508		1 .
335 _b	TAU PAV	19 11 07.597	-69 16 42.31	+0.0018	-0.023	6.27	2	6.44	2	6.58	2	A 4?	6	186350	l v	Ì
3359	V3792 SGR	18 05 48,460	-25 28 53.84	+0.0003		6.27		·	l i		1	BA		106329	, v	ĺ
3 36 0	EU DEL	2n 35 37.753	+18 05 30+28	+0.0013	+0.101	6 • 27						GM6		108154	,	1
3361	45 PEG	22 43 02.059	+19 06 08 89	-0.0019		6.27					l	666	Ì	25548	כער	1
3362	35 CAM	06 00 31.107	+51 34 37 • 36	+0.0003		6.27						A5		78947	,,,,,	1 ^
3363	40 GEM	ne 56 22.736	1+25 59 02-04	-0.0007		6.28	1	6.140				BAITI	6	90568	Ιv	
3364	GX PEG	22 29 14.976	+29 17 09.39	-0.0034		6.28	ا ـ ا	1			1	A5 A4V		231211	"	1
3365	516- 1 GRU	22 33 34.467	-40 50 28.61	+0.0038		6 • 28	2	6.40	2	6 26	١	AO		128436	1	1
3366	25 PSC	23 50 31.017	+01 48 45.34	+0.0013			2	6.27	2	6.26	2	GK4		118473	1	1
3367	36 SEX	10 42 34.852		-0.0036		6.28	2	7.49	2	8.77	۲	GK2		80970	1.1	1
3366	13 LEO		+26 08 29 20	-0.0010		6.28	١,	2 110	2	6.49	2	A4V		92378		1
3369	22 COM		+24 33 31.51	-0.0013		6.29	2	6,40	-	0.49	۲	GF2	1	74295	n	1
3370	65 -I- 1 PSC		+27 26 19 64	+0.0063		6.29			1			GF0		74296	D	1
3371	65 -I- 2 PSC	OC 47 11.766	+27 26 17.48	+0.0068		6.29	١,	6.47	2	6.56	2	A2		121254		1
3572	HO SCP	15 52 15.147	+08 43 34 • 59		-0.002	6.29	2	0.47	14	0.50	٦,	669	1	17414	V	
3373	VW DRA		+60 43 23.77		+0.014	6.3		6.34			1	AP		102536	עמ	
3374	V 451 HER	16 59 16.519	+15 01 16.29		-0.010	6.30	1	0.37	1			FR		102663	V	ŀ
3375	Z ScL	00 37 30.364	-34 14 04 19		-0.111	6.30			1			AO	1	11712	DV3	
3376	35 CAS	01 17 43.398	+64 23 48 68		-0.013	6.30	2	6.36	2	6.42	12	AZV	1	93067	V۶	4
3377	85 CET	1 02 39 47.143	+10 31 46 85		+0.018	6.3	1	0.50	1-	1	-	AZ	1	12445	V	1
3378	RZ CAS		+69 25 32 93		-0.084	6.30		1		1.		GK3		75875	1.	1
3379	6u -C- 2 ARI		+25 29 02 65		-0.010	6.30	2	6.47	2	6.63	2	AM		98024	!	1
3380	41 EPS CNC	08 37 35.068	+19 43 23.07		+0.015	6.30	la	6.20	2	0.50	1	B4VN	1	250101	n -	
3381	D- 2 CAR	08 04 00.425	-62 41 33 14		-0.006	6.30	-	6.480			-1	AUTII	1	80188	D	2
3382	23 PHI- 2A CNC	08 23 45.875	+27 06 00.98		+0.002	6.30		""	ļ	1		GG5		13590		1
3383	23 CAM	05 39 32.397	+61 27 16.23		+0.000	6.30			١.			A5	1	100207	٧?	1
3384	27 V1R	12 39 03.153	+10 42 01.54		-0.006	6.30		6.360	1		1	AZV	1.	99973	İ	
3385	3 COM	12 07 58 743	+17 05 14 50		-0.063	6.30		1		1		G7III		158528		1
3386	5 LIB		-11 29 12.00		+0.004	6.30		6.470	1.	1	1	д м		81681		
3387	64 LEO	11 04 59.261	+23 35 39 69		+0.019	6.3	4		1.			M3E	4	48773	V	- 1
3388	KT CYG	19 42 12.630	+48 39 25.77		-0.023	6.3	4		1.	1 .	1	M4E	4	242884	V	
3389	T NOR	15 40 11.707	-54 49 44.79 +45 29 45.02		+0.035	6.3					1.	K2III+F8	1	51684	V	
3390	AR LAC	22 00 03.020	+34 44 34 30		+0.009	6.3	4					M7E	- 4	61660	V	1
3391	R LMI		+45 12 56 35		-0.012	6.3	6	6.260	7		-	B9P	6	52876	V	1
3392	ET A.ID	10 12 51 106	-32 19 22 52		+0.019	6.3	4			1	1	M6E	4	192424	V	١,
3393	S SCL	10 52 55 616	+25 00 58.11		-0.030	6.301	2	6.321		6,331		AIN	1	81584	ח	. €
3394	54 B LEO	10 37 20.840	-10 20 35.66		+0.000	6.31	2	6.28	2	6.14	2	B9	1 .	155377		1
3395	37 HYA	21 15 27 944	-17 40 22.92		+ +0.006	6.31	1				-1	A5	1_	164289	1	1
3396	31 CAP V 592 MON		-07 58 53 32		3 -0.002	6.31	2	6.31	2	6.33	5	A2P	7	133761	V	
3397		06 29 50-933	-36 54 14.85		+0.054	6.31	- [7.94	7	1	1	M1	1	196906	٧	ĺ
3398	SX CoL		-16 07 44.75		-0.012	6.31			1		1	Αn	_	154076		ļ
3399	l 21 PUP	08 16 51.267	1 01 77710		1+0.033	6.31	2	6.64	2	6.81	12	1 A5	17	154105	ν.	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASC		ECLINA		PZ	RA PM	DEC PM	VISUAL MAG.	V	BLUE MAG.	B	AVE.	U	SPECTRAL CLASS	S !!	SA1 C-T.NO.	STAP	,
3401	70 C _N C	09 01 11	1.303 +	28 05	50.69		+0.0001	-0.005	6.31		6.310				AOY		<u>8060</u> ₽		Т
3402	26 L1B	15 11 44		17:34		1	-0.0017	-0.018	6.31	.	6,290			:	В9		159122	ĺ	1
3403	6 SGR	17 58 28					+0.0000	-0.00	6.31	- 1					KBIIT	1	160908	[1
3404	V 923 AgL	19 28 02					+0.0005		6.32						AOP	1	124704	V	
3405	56 CAM	08 11 38		60 32		[-0.0018		6.32						DA7	1	14479	n	1 :
3406	23 PHI- 2B CNC	UB 23 45					-0.0010		6.32		6.500	. [AUTII	1	90197	n	-13
3407	49 CAM	07 41 56					-0.0051		6.32						GFO	1	14322		
3408	THE- 2 PIC	u5 23 38			33.19		-0.0018		6.32					l :	A3	1	233965	ח	-
		04 12 55		15 16			+0.0080		6.32	2	6,72	2	6.74	2	PF2	1	93836	77	1
3409		23 59 50					+0.0002		6.32	2	6.50	2	6.64	2	A5		128544	l	
3410	31 PSC	23 13 19					+0.0012		6.33	_		[]		[~	GK3		31130		ı
3411	61 PEG	20 47 21				1	+0.0015		6.33	2	6.35	2	6.33	2	SA	1	126265]	1
3412	14 DEL	01 41 17				1	+0.0206		6.33	2	7.27	2	7.96	2	Κn	1	255816	0.1	1
3413	TAU -1 HYI	02 22 26		-03 00		1	-0.0004		6.33	2	6.33	2	6.19	2	An .	1	129839		
3414	71 CEY	14 06 31		74 49			-0.0162		6.33	- 1	0.00	-	0.1		A3	1	7953		
3415	3 UAI					1	-0.0038		6.34			1	· ·	1	6G7	ı	100146		1
3416	20 VIR	12 30 30				١.	-0.0056		6.34	5	7.90	2	9.80	2	MITII		27760		
3417	41 UMA		5.233			1	+0.0013		6.34	2	6.72	2	6.68	2	DF5	1	109666	9	
3418	77 A PSC	01 03 13				1			6.34	۲ ا	0.72	٦	n+00	۲	GM0		93293		- 1
3419	54 ARI	03 05 30				1	+0.0033		6.34			1.		١.	GK2	1	93081	:	
3420	36 ARI	02 41 31				1			6.34	2	6.64	2		1 .	FO	Ţ	195534	v	
3421	GAM- 2 CAE	05 02 38					+0.0017		6.34	۲.	0.04	5			A 42		247230	-	
3422	PI IND		4.415				+0.0026		6.34		6.230				B5V	1	87259		
3423	7 VuL	19 27 09					-0.0000			11	0.200				669	ì	124492		1
3424	24 AQL	19 16 17					+0.0006		6.34	١, ١	7,300	١, ١	7.880	,	CF5	1	161571	.v	
3425	U SGR	18 28 56				1	-0.0007 -0.0123		6.35	1	1,000	1	7.000	*	GK3	1	8452	'	-
3426	20 UMI	16 13 45				-			6.35				1.0		DG2	1	165078	'n	
3427	53 -F- 2 AQR	22 23 51					+0.0154				6.29				A4P	7	119585	v	
3428	EP VIR		9.852			Ì	+0.0022		6.35		0.29			l	A5	- '	95778	'	1
3429	19 GEM	06 28 44				1	-0.0011		6.35	2	6.68	2	6.25	2	BSIA	1	23011	ס	
3430	5 PER	02 07 59				1	+0.0019		6.35	-	0.00	۲.	0.25	-	AO	1	200445	n	ı
3451	ZET- 14 ANT	09 28 37	4.100				-0.0019		6.36		8.02	7	1	l	М4		204708	v	
3432	V 765 CEN	13 36 44				1	+0.0011		6.36		0.02	1	Į.	l	ABV	7	56847	V	-
3433	V 386 PER						-0.0048		6.36			ŀ		l	A2	1	13413	1	-
3434	14 CAM		1.500				-0.0049		6.36	2	7.38	2	8.26	2	69111	1	A0245	<u> </u>	- [
3435	32 UPS- 2 CNC	08 30 02 21 22 15				1	-0.0006		6.36	2	6.69	2	6.82	2	GA9	1	145376	Į.	
3436	20 AgR	22 08 08				ļ .	-0.0013		6.37	-	6.490	-		Ι –	AUIII	-	90287	1	ì
3437	28 PEG	22 08 06					+0.0025		6.37		3.470]	AO	1	165127		
3438	56 AQR	23 58 09				l	+0.0024		6.37		6,300				AP	1	53568	l v	ı
3439	CG AND		7.945			1	-0.0009		6.37		0,500			į	AZN		25403	ם ו	- }
3440	29 CAM					1	+0.0026			S	7.44	2		l	KO		195300	"	
3441	ZET CAE	04 45 52				1	+0.0037		6.37		,	-			AZN	.	92622	lν	1
3442	VY PSC	01 43 52				1:	+0.0036		6.37		6.290			1	B9	1	11265	'	1
3443	16 CAS	00 31 28				1			6.37		6.550	1		1	A5V	1	44265	1	1
3444	9 CVN	12 36 22					-0.0025			2	7.49	2	8,60	2	GK1	1	118483	1	1
3445	37 SEX	10 43 29				1	-0.0008		6.37	2	6.70	2	6.75	2	ABN		118851	l .	1
3446	80 LEO	11 23 15					-0.0055		6.37	-	9,70	1	3.13	٦	F0		17285	יאט.	
3447	20 DRA	16 56 10				1	-0.0076		6.37		1.1				i GKO	ì	160231	I """	
3446	29 OPH	16 58 55					-0.0028		6.37		6 770	1	1		AP		102435		1
3449	49 HER		8.129				+0.0011		6.38		6.330	-		1	AOP	1	45326	DV	1
3450	BX 800	14 58 56	6.279	+47 28	27.43	1	-0.0014	1+0+051	6.38		6.24	7	1	ŀ	AUF.	6	400/0	1 0	-

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

	STAR	RT. ASCEN. HR MY SEC	DECLINATION P	KA PM	DEC PM		V N	BLUE MAG•	B N	NAG.	U N	SPECTRAL CLASS	ج 1	SAM CAT.MA.	PROP.	6
NUMBER	DESIGNATION	17.	020 ///	-0.1073	+0.001	6.38	2	7.95	2	9.74	2	міІІІ]	3020	:	
3451	LAM UMI	18 21 21.819	+89 05 03.50	-0.1072	and the second second	6.38	-					ngn		A1259		1
3452	24 LYI	10 15 38.354	+28 56 00 07	-0.0042		6.38	ı		1			GK5	1	28291		1
3453	68 UNA	12 09 15.828	+57 19 57 68	+0.0006		6.38			1			GMN		100309		1
3454	32 COM	12 49 43.043	+17 20 43.66	-0.0002		6.39		6.370	1			Ban		77130		1
3455	22 AUR	U5 20 12.706	+28 53 27 - 71	+0.0015			- 1	0.5.0				KO	Į.	25814	1	1
3456	7 LYN	u6 30 23.285	+55 23 32.05	+0.0004		6.38	2	7.02	2		1	D32		98169	1	
3457	54 CNC	U8 48 14.474	+15 32 14.51	-0.0079		3		7.56	2	8,66	2	GK1	1	146756		1
3456	13 PSC	23 29 23.586	-01 21 43.93	+0.0006			2	1.50	-	n • 120		A7M		165147		1
3459	วิย์ AgR	22 29 02.329	-11 n9 44•89	+0.0049		6.39	2	7.37	2	8.20	2	Kniii		80333		1
3460	39 CNC	OB 37 13.995	+20 11 08.03	-0.0025		1 1	- 1	1.31	1 1	Ω, • r. · · · . ·		G5 TB	1	78636		
3401	25 GLM	ne 38 11.875	+28 14 40 • 66	+0.0007		6.39			1 1	1.00		F0		96084	V?	1
3462	32 GEM	nh 43 05.673	+12 44 50 • 38	-0.0000		6.39	_	7 -0	1,	0 60	2	KZIII	1 .	41010].	1
3463	43 AUR	06 14 33.152	+46 22 56 00	+0.0013			5	7.50 7.05	2	8.62	-	DG2	1	147237	1	
3464	G CET	an 20 18.035	-12 29 14·89		+0.065	6.39	2	6.47	2		1	A2	t	104289	V?	-
3465	CHI- 1 FOR	n3 23 59.765	-36 05 42·54		-0.004	6.39	2	0.47	-			FO	1	л7612	V	1
3466	V1276 CYG	19 40 48.917	1+29 12 41 39		+0.049	6.30	7				1	cF3		186905		- 1
3467	25 SGR	18 31 29.212	-24 15 44.42		-0.001	6.39						GM6F	1	123744	יירי	
3466	χ OpH	18 35 57.512	+08 47 19.71		+0.007	6.4	i .'	<u> </u>		100		AD	1	245072		1
	UPS- 2 ARA	17 47 08 153	-53 07 01.90		-0.011	6.40						AP	1	46997		-
3469 3470	BB HER	1 17 48 44.710	+48 24 24 48		+0.015	6.40		6.250				F2P	1	97659	l v	-
3471	SU CYG	19 42 48.509	+29 08 34 • 10	-0.0001	+0.000	6 • 4		6.820			1	BZIV		38927	V	- [
3472	KP PER	1 03 29 12.536	+44 41 14 08		-0.010	6.40	2	6.43	2	5.70	2			148612	V	
3475	Z EXI	12 45 32.104	-12 40 04.33		-0.036	6 • 4			1_		1	MAITI	1	129154	1	ļ
		61 07 41.405	-09 10 17.16	-0.0012	-0.033	6.40	2	7.44	2	8,31	2	GG6	1	25241		
3474	1 -	05 28 16.560	+57 11 18.31	+0.0145	-0.219	6.40			1		1	DF7		26634	1	
3475	1 -9	67 58 32.122	+57 24 51 • 02	-0.0032	-0.066	6•40		1	1			PER	4	48521	l v	ŀ
3476		19 28 42.955	+46 02 31.72	+0.0027	+0.010	6.4	4			l		M4	4	17137	v	İ
3477	AF CYG	16 32 31 281	+66 51 28.55	-0.0060	-0.046	6.4	4					M6E	4	225948	ער	- 1
3476	R NOR	15 32 20.943	49 20 32.94	+0.0023	-0.014	6.4	1					M4E	1 4	64180	v	
3479	V B00	10 27 44.151	+39 04 59 12	+0.002	0.035	6.4	177				1	M6E	1 4	100269	ļ '	-1
3486		12 45 44 05	+13 49 33 69	-0.0033	0.033	6.40	1	6.420				AOV	1	119360	l n	
3481		12 10 50 426	+05 35 00 • 08	-0.011	-0.057	6.40	2	7.00	2	7.08	5	DF7	- 1	241777	l 'v	1
3482	VIR	The second secon	2 -56 40 02 43		7 -0.015	6.40	1	7.300				F5	1		ľ	- 1
3483	V CEN		3 -28 24 24 28		+0.035	6.4	1	6.730				FO		177619	°	
3484	S ANT		7 -09 11 56 02		-0.003	6.40	2	6.36	2	6.27	2	AO		137011	'	
3485	34 HYA	10 12 14 350	+31 43 01.44		-0.006	6.41	1	1			1	GG3	_	61953	יעכ	
3486	75 LMI	13 43 40 100	9 -62 20 25 12		-0.016	6-41	2	8,25	2			G8IA+P	. 7	252448	1 ,,,	
3487	V 766 CEN	10 45 18 55	2 +03 50 43.38		-0.007	6.41	2	8.01	2	9.83	2	GM4		119596	1	- }
3488			1 -07 13 31.07		5 -0.012	6.41	2			6.26	2	B9			l n	- 1
3489	67 Auf	20 13 36 77	1 -12 29 29 66		6 -0.012	6.41		6.42		1	1_	B9		163402 134414	n	
3490	3 CAF	20 13 30.77	1 -00 04 22.96		6 -0.004	6.41	5	7.31	2	7.88	2	GG5		163253	1 "	
3491	24 Mol		2 -12 48 28 62	+0.000	4 -0-049	6.41	1			1		An	1	246131		
5492	o5 Sgf		3 -55 12 53.33	+0.004	3 -0.012	6.41	1					DF6		225422	lν	
3493	MU TEL		4 -40 39 59.93	-0.001	4 -0.042	6.41	2	7.87	2			GM4			,	
3494	GM LU	ومنسانات السادات	4 -10 57 18.86		0 -0.019	6.42			1.		1_	A0	1 -	158935	V	
3495	17 LI		6 +14 52 33 14		5 -0.071	6.42		7.97	7	9.43	17	GM4	7		l v	- 1
5496	V 642 He	1 2 54 03 03	5 +82 54 46 25		B +0.017	6.42					1	A2		3994	1 o	. 1
3497	V CER	20 24 00.90	6 -56 48 17.53		6 -0.004	6.42	2	6.58	2			A2		240055		-]
3498	GAM- 2 CRI	12 20 67.00	9 +63 53 04.72		9 -0.046	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1			1	A7N	1	14980	D D	
3499	28 UM	00 05 10.33	5 -02 49 37.30		6 +0.003		12	6.29	2	5.81	12	AON		128595	1	- 1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	FI N	UV MAG.	U N	SPECTR L CLASS	S N	5A0 C.T.NO.	PROP.	L
		03 43 03.846	+24 22 24.38	+0.0011	-0.041	6.43	2	6.41	2	6.2€	2	BōA		76164		
3501	22 TAU	40 40 280	-53 32 38 98	-0.0108		6.44		6.780				FO		2=3710	7	1
3502	ICT- 2 PIC	10 00 56 972	+13 36 09.71	+0.0027		6.44	2	6.90	2	6.92	2	F6V	- 1.	10686	,	
3503	34 LEO	10 00 JU1712	-12 32 32.44	-0.0006		6.44						KOIII	- 13	163328		
3504	1 X1 - 1 CAP	20 09 11.713	+28 19 51.73	+0.0004		6.44						3211	- 1	a9265	¥	1
3505	Bw VJL	20 32 17 910	-25 07 19.22		-0.073	6.45	2	7.15	2			DG4		193275	'	1
3506	23 LIB	15 10 32.903	-43 45 38.61	-0.0026		6.45	4	8.02	7	9.65	7	M5III	7	221146	V	ı
3507	GK VEL	09 23 14 103	+39 22 07.92	-0.0008		6.45		6.310				#5A		72518	רי	1
კ508	B B LAC	22 33 30 333	+03 26 42.73	-0.0052		6.45	2	6.85	2	6.83	2	DF3		118086		1
3509	13 SEX		+11 48 01.42	-0.0037		6.45	2	6.88	2		1	A3N		98767		1
3510	19 LEO	09 44 44 747	+20 39 08.80	+0.0112		6.45						DF6		74280	7	1
3511	61 PSC	00 45 15.360	+07 36 46.81		-0.005	6.45	2	6.43	2	5.40	2	Λn		114085	Ĺ.	-
3512	14 MON	UE 32 U3 630	12 11 20 06		-0.015	6.46		100			1	F2		153400		1
3513	b PuP	0/ 49 20.522	-12 41 24.96 +15 49 41.75		-0.027	6.46	2	6.95	2	6.97	2	DF5		93925	٠.٢.	1
3514	70 TAU	64 22 45 644	+46 45 18+11		+0.004	6.46					ľ	An		43945	DAS.	1
3515	b5 A UMA	11 52 29.996	1740 43 18+11		-0.020	6.46	1		1			F2III	. 7	96 <i>7</i> 53	V	
3516	LT VUL	19 01 33.554	+21 11 34·22 -11 44 32·17		-0.012	6.46			1			GF4		163245		
3517	64 SGR	20 02 19.794	100 71 37 73		-0.024	6.47	5	6.67	2	6.81	2	FO	6	115864	V	-
3518	AZ CMI	07 41 31 249	+02 31 33 73		+0.090	6.47	4		-		1	G	4	19826	n	ı
3519	17 XI - 1 CEP	22 02 19 143	+64 23 03.30 -30 09 34.39		+0.005	6.47	2	8.10	2	1	1	K5		213517		
კ520	13 P5A	22 01 31.107	+45 32 13.93		-0.009	6.47		- E-1			1.	M4		51204	V	
3521	V1339 CYG	21 40 13.313	120 15 55 27		+0.103	6.48	2	6.86	2	6.82	2	DF1		88276] n	
3522	17 THE- 3 SGE	20 07 44.132	+20 45 55 27		-0.010	6.48	1		1		1	A5		57803	ח	
3523	18 AUR	05 16 05,549	+33 56 04 94		-0.026	6.48	2	6.44	2	6.17	2	B8N		143809	ן ח	
3524	57 B AQL	19 51 55 666	-08 22 07.69		-0.026	6.48	2	5.66	2	6.75	12	A7V	7.	82237	V	
3525	FM COM	12 16 30.903	+26 17 08 64		+0.020	6.48	1				1	GG7		158385	Į	
3520	96 VIR	14 06 20.401	-10 05 54 66		-0.017	6.49		6.79	17		1	F0		139254	.V	
3527	DK VIR	13 13 51.276	-01 07 34 94		-0.009	6.49	2	7.57	2	8.58	12	GKO		129262	A.5.	
3520	43 CET	01 50 01.510	-00 42 38 06		-0.046	6.49	-					DF6		10.0740	UAS	
3529	86 ZET- 2 PSC	01 11 08.346	+07 18 52.03		-0.026	6.49		1				An		26579		
3530	52 CAM	07 52 24.226	+56 38 17.07		-0.032	6.49	2	6.44	2	5.56	2	BO.5IVN	7.	152363	DA	
3531	V 569 MON	07 03 27.976	-10 34 59 24		0.004	6.5	150		-			53-9E	111	79070	V	
3532	R GEM	07 04 20.764	+22 46 56 72		-0.020	6.5			1	1.	1	GM7E	l	25112	אט	
5533	R AUR	05 13 15.256	+53 31 56 • 59		+0.004	6.50		8.08	17	9.89	7	M1	l ·	249424	V	
3534	SW PIC	06 01 31.649	-60 05 40.99		+0.005	6.5	4				1	SF	4	26097	V	
3535	R LYN	06 5/ 10.767	+55 24 06 74		0.000	6.50	2	6.63	2		1	AO.	ŀ	194318	(D)	
3536	CHI- 3 FOR	03 26 15.664	-36 01 31 66		5 -0.042	6.5	"	""				A1V+F6?	7	163080	V	
3537	V 505 SGR	19 50 17,153	-14 43 57.84		+0.003	6.5				1		B7III+K1I	t	104711	V	
ახაც	U SGE	19 16 37.057	+19 31 04.09		+0.012	6.50		6.52	1	1		AP	6	96405	l v	
3539	V 535 HER	18 43 28.2/2	+21 55 51 47		+0.091	6.50	2	7.09	2	7,22	2	DGO		64687	n	
3540	51 MU - 2 BOO	15 22 37.402	+37 31 18 89			6.50	١		1-	1.		B2VE		70406	V	
3541	V 568 CYG	20 40 24.615	+35 16 33 76		0 -0.007	6.5		7.340	17		1	F7IB	1	70423	V	
3542	X CYG	20 41 26 598	+35 24 23 93			6.5	14	1	1			NP	- 4	178088	V	
3543	Y HYA	09 48 45.004	-22 46 56.91		3 -0.004	6.5	4		1			MB	4	43748	V	
3544	ST UMA		+45 27 37 65		3 -0.051	6.5	4		.			PEC	4	2511A5	V	
3545	AG CAR	10 54 10.612	-60 11 10 82		2 -0.016	6.5	17		1		1	S7-3	1	166005	ν	
3546	W CET	23 59 33.643	5 -14 57 15 21	-0.000	9 -0.016		4				1	M6E	4	227442	V	
3547	RS Sco	16 51 59.822	2 -45 01 22.90		7 -0.029		110	1				M2E	4	216987	V	
3548	R PIC	04 44 49.277	7 -49 20 07-11		5 +0.036		4	7.42	7	7.90	7	G5V+KOIV:	7	75927	V	
3549	UX ARI	03 23 32.953	3 +28 32 32.35		6 -0.106		4	1.46	1'	7.0	1	KO	4	108782		
3550	76 PEG	23 40 11.351	1 +16 03 29.32	į +0.006	3 +0 • 018	6.51	17	1			1	1	1	1	1.	_

STAR DESTGNATIONS AND STAR DATA ORDERED BY VISUAL MACHITUDE

		S1	AR DESIGNATIO	N5	AND STAF	OAIA OF	KIDERED H		VISUAL	1	GHITODE					STAR	G
1	STAR	RT. ASCEN.	DECLINATION	P.	RA	DEC	VISUAL		BLUE	В	۱JV	U N	SPECTRAL CLASS	5	SAO CAT.MO.	PPOP.	N
NUMBER	LESIGNATION		DEG MN SEC	N	PM	РМ	MAG.	N.	MAG+	N	MAG.	ואין	CC//3/3	\vdash	<u> </u>	 	+-
		- 77 LO 504	-00 23 48.98		-0.0020	-0.024	6.51						UE:		1,0643		
3551	14 SCP	15 33 59.546	-35 45 29 85		-0.0038		6.51						κū		193916		
3552	ElA- 1 FUR	02 45 31.970	+15 11 55 13		-0.0361		6.51	2	7.24	S			n67		98427 2522¤3	ny?	
3553	81 CVC	1 10 20 663	-60 42 38.52		-0.0020		6.51					1	847	7	172725	nv	
3554	J- 1 CEN	13 19 20 603	-22 02 53 31	ll	-0.0008		6.52	5	6.36	2			B3IV-VIIF	'	40900	1	
3555	FU CMA	06 38 11.050	+46 26 34 93	ll	-0.0041		6.52	2	6.79	2	6.88	2	FOV	1	113811		10
3556	42 AUR	06 21 07-436	+04 37 22.65		-0.0016		6.520	2	6.720	2	6.860	2	DE4	1	101952	1 5	i
3557	8 EPS- 2 MON	16 05 49 369	+17 11 12.00		-0.0022	-0.031	6.52			1_		I_	GK2	1 .	51628	, v	
3556	1	22 02 57-439	+46 59 27 21		+0.0060	+0.045	6.52	4	7.56	7	8.28	7	KOIII	7 4	255316	'	1
3559	HK LAC	22 44 15.109	-65 49 27.93		-0.0053		6.52	4				1	KO	4	80336		-
3560	XI TUC	ng 37 19.063	+20 08 56 65		-0.0025	-0.015	6.52	4		1	1		An Fo	u	25829		
3561		06 31 49.240	+56 25 41.18	1 1	-0.0042	-0.054	6.53	4					F2	- "	191196	DV?	
3562	9 LYN ZET PSA	22 28 07.169	-26 19 46.83		+0.0026		6 • 53			1_		_	GK0		256239	[""	1
3563		05 48 49.302			+0.0047		6 • 53	2	7.61	2	R.58	2	K0	ŀ	132408	ח	
3564	LAM MEN SIG- 3 ORI	65 36 16.398	-02 37 17.58		-0.0015		6 • 53		6.320	1	1	1	B3 A0		26311		1
3565		07 18 46.483	+55 22 51.68	1	+0.0005		6.53	1 :				1		1	116975	1 "	1
3566		08 35 22.736			-0.0027	-0.010	6.53	2	6.51	2	6.47	2	AO	4	45933		1
3567	1 7	16 08 46 841			+0.0114	-0.304	6.54	4					KO A	6	138664	עם	
3568	14 HER	12 11 41.613	-05 26 24 64	1	-0.0056	+0.114	6.54	4		1	1	1	A5	1 4	258931	"	
3569	FG VIR	22 20 21 891	-89 04 36.36		+0.0571	-0.040	6.54	4		1			A5	4	164061	1	
3570		20 58 03-042	-17 43 37.22	1	-0.0019	-0.011	6.54	4					KO.	4	110537		
3571	21 CAP 25 ARI	02 24 43.583	+09 58 38.74			-0.200	6.54	4		-		1	GO	"	18669		
3572		20 01 47.129	+64 29 34.34			+0.012	6.54				1	2	GG7		136861	ח	ı
3573	65 DRA 29 HYA	00 24 47.584	-09 00 20.86		-0.0023	-0.004	6 • 54	2	6.59	2	6.61	2	A3V	1	80415	202	2
3574	48 IOT- 18 CNC	08 43 38 685	+28 56 57.95		-0.0013	-n.044	6.542		7.572	2 2			WN5	7	172546	l v	
3575	EZ CVA	06 52 08.092	-23 51 51 60			+0.001	6.55	4			5.650	' '	GMO	1 ′	08809		
3576		09 48 19.771				-0.012	6 • 55			ı			1 -	1	210296	ח	- 1
3577	23 L _E 0	18 29 56 295				0.027	6 • 55	1		1.			BB	1.	84720		
3578	57 HER	16 55 27.727				+0.012	6.55		4	- [-	1		GG5 AO	4	156271	1	. [
3579	-B- 2 HYA					+0.004	6.55	4		-			AU A2	1 4	13917	1	
3580			+61 58 07.01		-0.0028	3 +0.021	6.55	4		ŀ		-	KO KO	4	78395	l o	
3581			+20 49 18.71	1	-0.002	7 -0 - 049	6 • 55	4		1		1	G5	4	94345		- 1 -
3582		05 05 53.202	+19 47 48.08	1	+0.000	+ -0.013	6.55	4			1	1	FO	6	144941	l v	
3583	EM ACR	2n 52 33.11	+ -01 33 53•97	'		3 +0.023	6.55	2		2	6.89	2	AO	l n	139732		-
3584 3585	94 VIR	14 03 38 65	3 -08 39 13•93	5 ·		1 +0.017	6.56	4		-1			B3V	1	184377	0	-
3586	RHO- 1 OPH	16 22 24.076	5 -23 20 48•42	2 L		7 -0.040	6.56						GK5		57560		- 1
	6 AUR		9 +39 34 52 49) .		2 +0.007	6.56	1_	1	1_		10	GOIA		198286	· V	1
3587	R PUP		2 -31 32 36 40) [:		7 +0.010	6.56	2	7.74	2	8.57	2		1	75471	ח	- 1
3588		02 34 07.11	5 +24 25 51.35	5		0 -0.002				1			DF5 DG1	- 1	165077		
3589	30 A ARI 53 -F- 1 AQR	22 23 51.38	2 -16 59 46.26	> ·		1 -0.010		1.				-	KO	. 4	1 '		- 1
3590	29 LMI	in 22 52.23	4 +35 40 50•0	5		0 -0.068		4		- .			An	4	129588		
3591	58 CET	I ni 55 26.76	1 -02 18 09•14	+ -		4 +0.017		4		1			666	7	184630		.
3592 3593	25 500	16 43 47.40	4 -25 26 21 4	3		3 -0.016					1.	.	AO		185526		
		1 17 32 17.85	8 -22 00 42.8	3	-0.000	3 -0.011	6.57	1.		١,	7 70	2	601A-A		2556		
3594	52 OPF	1 15 32 00.23	4 +80 36 57•3!	5 [-0.094	4 +0.115	6.58	2		2	7.38	15	AU AU	- 4	145021		1
3595		7 57 54 16	7 -05 40 24 21	0	+0.001	1 -0.009	6.58	4				-	AO	4			- 1
3596		1 21 52 12.43	3 +73 27 56•3	7 [5 +0.030			1				F8	4			
3597		4 11 59 10.71	8 +22 22 22•1'	9		8 -0.016		14		- [_	,	- i		6			
3598	1 V1264 CYC		2 +43 50 06.0	0		9 +0.006		-17	6.53	' 14		l.	AnP B5	1 4	133189	1	- 1
3599 3600	IM MOT	0 0 20 31-53	5 -03 15 01.9	7	-0.000	1 +0.006	6.58	4					1 00	"	1,,1,		

TABLE 5 CONTINUED STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR SESIGNATION	RT. ASCEN. HR MH SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	Ŋ	BLUE MAG.	H	HV.	n n	SPECTR*L CL*SS	ج ا	5A0 C-T.110.	571e PPOP.	
3601	35 CNC	08 32 27.104	+19 45 48.32		-0.0025	-0.014	6.58	2	7.26	2			GUIII		97928	†	+
3602	10 GEM	U6 15 51.567	+23 37 27.97		-0.0001	-0.010	6.59	4		1			G5	14	78210		
3603	17 HER	16 14 08.665	+23 14 44.81		-0.0010	-0.014	6.59	4		1			KO	4	R4274	İ	-
3604	V 600 HER	16 34 40.575	+14 34 30.42	1	-0.0004	+0.005	6.59			1		1	80.5111	7	102273	V	1
3605	8 AgR	20 57 10.041	-13 14 49.89	1	-0.0023	+0.002	6.59	4		1		ľ	A3.	h	164046		
3606	BB VIR	13 45 40.815	-06 35 18 80	١.	-0.0027		6.59	4		1		l	Κū	4	130550		-
3607	11 PSC	23 20 52.962	-02 03 59.72		-0.0010		6.50	4		1			Κn	4	146733		
360B	48 VIR	13 01 19.652	-03 23 40.75		-0.0026	-0.040	6.59	2	6.88	2	6.90	2	A7M		139131		
3609	5 LIB	14 43 12.051	-15 14 59.84		-0.0024	-0.005	6.61				1		GK2		158788	-	-
3610	T CAU	12 16 36.501	-62 00 14.72	ı	-0.0006	+0.008	6.6	4	7.360	7		ŀ	Gn	4	251861	V.	- 1
3611	R CRU	12 20 52.216	-61 21 07.59		+0.0017	-0.015	6.6	4	7.180				F5	4	251875	γ.	
3612	V 659 CEN	13 28 12.830	-61 19 29.68		+0.0005	+0.004	6.6	6					FR	٦	252342	ν	- 1
3613	XX CEN	13 37 01.128	-57 21 37.54	1	-0.0013	-0.025	6.6	4	7.330	7			G5	4	241049	V	
3614	HR CAR	10 21 07.259	-59 22 17.38		+0.0002	-0.032	6.6	6	5.3				_	6	238005	ý ·	- 1
3615	27 S _L X	10 24 15.245	-04 07 59.64	1	-0.0033		6.6r	4	1: "				Kn	4	137567	*	- 1
3616	18 LMI	69 53 35.690	+32 37 20.08		-0.0038	+0.010	6.60	4	1	Ĺ			F2	. 4	61771		1
3617	9 LEO	09 34 58.426	+24 53 45.43		-0.0075		6.60	4					F8	4	A0935		
3618	11 LEO	09 35 17.680		l	-0.0048		6.60	4			1		F2	4	98683		1
3619	b3 CNC	09 16 11.558			-0.0085		6.60	4	1.0				F5	ti.	98448		
3620	AI VEL	08 12 26.223	-44 25 21.80		+0.0036		6.60	4					Fo	4	219640	V	-1
3621	118 3 TAU	05 26 11.488	+25 06 37.82		-0.0003		6.6		6.560				Bev	T .	77200	ח	1
3622	X TAU		+07 37 26 40	100	+0.0640		6.6	4	,,,,,			1	F5	4	111476	V	ľ
3623	IX PER	03 31 53.832	+31 51 04-17	1	+0.0041		6.6	6					FO	6	56559	v	ı.
3624	U CET	02 31 19.619	-13 22 02.50	1 -	+0.0017		6.6	4.	1000	١.,	1		M3E	4	148467	l v	-
3625	5 PSA	21 26 04.793	-31 27 26 99		+0.0018		6.60						AO	1	213034		F
3626	U VUL	19 34 26.480	+20 13 12.31	l	-0.0003		6.6		7.74	7	100		G5	1	97447	Ιv	
3627	AG PER	04 03 43.466	+33 18 46.54		+0.0010		6.61	4				ŀ	83	14	56973	יעת	
3628	4℃ SEX	10 46 45.107	-03 45 33.12		-0.0035		6.61	2	6.83	2	6.91	2	AZ		137808	D	1
3629	48 51G- 2 0-1	05 36 14.881	-02 37 36.93	N	-0.0009		6.62	_	6.420		0. 1		٠,٠	l	1,17,0,16	n	1
3630	V 453 Sc0	17 52 59.761	-32 28 06.52		+0.0005		6.62	4					BOSE	7	209489	l ''v	ľ
3631	PI - 1 GRU	22 19 41.131			+0.0006		6.620		8.630	11	9,620	1	54-7	i '	231105	יער	ı
3632	-X- 2 VEL	10 37 24.541	-55 20 46.23			+0.002		4			7,020	-	В8	· 11	238313	Ď	
3633	24 S_X	10 20 54.745			+0.0038		6.62	4					G5	- 4	137532		-
3634	RX 5∟X	10 23 33.540	+04 11 13.33	1	-0.0000		6.62	4			1		A3	7	118299	v	4
3635	56 LEO	10 36 13.740	+16 23 17.91	١	+0.0038		6.62	4					F2	i.	99229		1
3636	UZ PSC	01 43 04 440	+08 18 34.95	Ι.	+0.001B	-0.011	6.62	4					A2P	7	110111	l v	1
3637	WZ SCL	01 26 26.505	-34 01 18.02		-0.0047		6.62	4		l			A3	6	193136	ľv	1
3638	9 Aur	20 58 23.090	-13 43 36.16		+0.0001		6.63	4					65	4	164064	• •	1
3639	34 S_X	10 40 02.568	+03 50 41.39		-0.0059		6.63	4					F5	4	118443		
3640	19 HER	16 16 19.169			-0.0006		6.63	4					G5	l i	84295		
3641	22 LIB	15 04 01.282	-16 17 30 91			-0.016	6.63	4					ÃO	u	159030		1
3642	IUT- 2 MUS	13 23 17.181	-74 25 55.78		-0.0098		6.63	2	6.57	2	6.33	2	B9	_	257047		1
3643	61 HER	17 01 42.397	+35 29 01.32		+0.0024		6.63	-				_	GM4	4.	65761		1
3644	61 B OPH	17 42 04.654	+02 35 56.65		+0.0001		6.64]					AO		122691	ŋ	
3645	B4 TAU	04 28 16.719	+14 59 56 • 13		+0.0031		6.64	4				. 1	MA	4	93983		1
3646	GZ CAR	10 42 27.048	-59 43 49.18		-0.0006			4	6.79	7			09.5IB:	7	238414	DV.	
3647	2 LAM EQU		+06 58 55.48		-0.0006			4					F8	4	126482	ŋ	1
3648	76 PSC		+31 54 52-26		+0.0009		6.64	4				.	Κū	4	54421	i i i	1
3649	THE- 2 PHE		-46 54 55.65		+0.0026		6.64	i l					A3	7	231719	D	1
3650	X CNC	08 52 34.038			+0.0001			2	10.00	2	- a		C5-4	7	98230	V	1
				1 1		10000	2004	- 1	- U - U U	- 1					- 405 Ju	v	ı

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

	STAR	RT. ASCEN. HR MN SEC	DECLINATION F	RA PM	DEC PM	VISUAL MAG.	۷ ۷	BLUE MAG.	B	UV MAG.	U N	SPECTRAL CLASS	C H	SAN CATANO	STAR PPOP.	11
NUMBER	DESIGNATION		 			6.65	4		1			KΩ		128270		
3651	15 PSC	23 32 55.123	+01 02 12.54	-0.0033		6.65	4					k n	4	01909	1	
3652	46 PSC	00 25 22.061	+19 14 16 27	-0.0013		6.65	4	1.0				Ko	4	62167	1	1
3653	36 LMI	10 35 02.369	+34 20 19 20		+0.004	6.65	4		1		1 1	A5	4	13564	1	
3654	21 CAM	05 35 50.675	+61 55 21.17		-0.015	6 • 65	4				1	G 5	4	78355		1
3655	14 GEM	06 22 42.632	+21 40 28 31		-0.007	6.65	2	6.57	2	5.90	2	B3	1	118248.	V	ì
3656	23 RS SEX	10 18 27.090	+02 32 30 - 78		+0.091	6.66	4					GO	щ	8140	1	
3657	9 UMI	15 00 21.995	+71 57 39 09		+0.008	6.66	4	i .		1	1 1	B0	4	23182	ח	ı
3658	-H PER	02 15 42 013	+56 56 22 44		L -0.006	6.66	4		1		1	F0	4	65380	D	1
3659	32 HER	16 31 32.078	+30 36 09 90		-0.031	6.66	4	1 1				G5	и	102925	1	1
3660	54 OPH		+13 11 37-62		7 -0.043	6.66	4		1			A2	4	197381		1
3661	31 56R	18 49 08 140	-21 58 54 68 +12 04 35 92		2 -0.010	6.66	4		1			AO	4	98806	1	1
3662	21 LEO	09 48 07.934	112 04 33 72		-0.041	6.66	4		1		1	AOP	7	42408	V	
3663	TZ LYN	08 27 52.020	+40 23 38 48 +08 00 35 68		5 -0.031	6.66	4	8.28	7.	10.14	7	M4	7	110337	V	1
3664	wZ PSC	02 03 33.631	-40 00 33.00		1 +0.058	6.66	4	1 1 1 1 1 1	1			F5	4	231353		
3665	TAU- 2 GRU	22 32 21 /98	-48 45 34.00 +10 12 45.94		1 -0.029	6.67	4	1	1	1		A3	-4	101947	р	1
3666	46 ScP	16 05 42.574	-07 46 44.04		2 -0.028	6.67		1		1		M A		136409	1.0	
3667	17 A HYA		-10 42 19.15	-0.000	6 -0.009	6.67	1		1.		1	FN		151318		
3668	6 MON	06 15 14.028	-08 53 17.64		7 -0.024	6.67	١.					GRIII		131443	l u	1.
3669	55 A ERI	04 41 11.099	1 - 00 53 17 07		5 -0.007	6.67	4	1	1			.KO	4	97012	1	
3676	67 GEM	07 30 33.687	+15 44 52 79		0 -0.011	6.68	1				1	B9V:	7	199222	עמ	- 1
3671	NO PUP	08 24 27 447	7 -38 53 39 10		3 +0.076	6.68	14					K2	. 4	65577	1	
3672	48 HER	16 47 18.435	5 +30 02 57.47		9 +0.006	6.68	14		1		1	85	. 4	162122	V	ı
3673	V 599 AQL	18 59 48 032	2 -10 47 41 41		4 -0.005	6.68	4		-]	1	Į.	89	4	78063		
3674	4 GEM	06 07 27.850	+23 00 31 53		3 -0.006	6.68	4	100	-		1	B9	4	94793		
3675	127 TAU	05 39 57.076	+18 57 29 26		9 -0.049	6.68	4		- 1	1.		F2	4	109916		
3676	96 PSC	01 26 26 278	3 +07 02 12 05		5 -0.015	6.68	4		- 1			FO	. 4	98006	1	- [
3677	J8 CNC	08 36 50 43	5 +19 57 21.43	-0.008		6.69	14					F0	4	83080	- V	- 1
3678	ZZ Bo0	13 53 51./5	2 +26 09 46 • 10		9 -0.421	6.69	4		- 1		1	65	4	109694		1
3679	29 CET	01 05 24 79	5 +01 43 56 • 14		2 -0.029	6.69	14	1	- 1			F5	4.	n5889	1	- 1
368u	23 GEM	06 33 08 38	+16 50 21 47		8 -0.020	6.69	4	1	1		1	MB	- 6	158357	· V	
3681	ER VIR	14 03 59.16	4 -13 58 00+77		0 -0.020	6.69	4		ı			AOP	4	76029	T.	
3682	9 TAU	03 34 01.28	2 +23 02 49.72		9 -0.026	6.69	4	1				B9	4	184982		١
3683	28 OPH	17 00 55.92	4 -25 37 42.75		4 -0.024	6.69		7.08	- [6.99	2	F2V		29045	[D.,	-1
3684	17 KAP- 1 BOO	14 11 40.27	1 +52 01 15.47		5 +0.017	6.70	12	6.97	2	7.06	2	A5		118041	V?	
3685	12 SEX		9 +03 37 28 41		1 -0.024	6.7	4		- 7	199	1	F5	4	208246	ν V	- [
3686	RV Sco	16 55 03.27			5 -0.006		4					F5	4	186478	ľ	i
3687	AP SGR	18 10 00.17			5 +0.019		14		- 1			M5F	4	162394	1 .	-
3668	R SGR	19 13 45.77	9 -19 23 49.00		9 +0.019		4					MB	4	504	- V, ,	ì
3689	SS CEP				1 -0.022		4				1	F5	4	94248		- 1
3690	101 TAU				6 +0.001		4	7.45	0 7	·		G5	4	95862		- 1
3691	W GEM				+7 -0 -003		4		- 1 :			A0_	4	248455	i	
3692	ETA- 1 HYI				57 -0.003		4				- [M7F	4	21343		
3693	T CAS		9 +55 30 56 • 21		3 -0.001		4					м 5	4	35640		
3694	SV CAS		7 +51 59 07 • 63 7 +03 34 36 • 07		21 -0.055		4					A2	4	118847		
3695	82 LE0				12 -0.024			8.17	' 7	'		M6III	7			
3696	UX LYN		1 +38 56 28 00		11 -0.033							K0_	4	79991		
3697		08 07 11.93	9 +25 59 35 45		15 -0.006		1				- 1	GM7E	ľ	102160		
3696	U HER		2 +19 00 18-01		11 -0.005					1	-	C6-4		142985		
3699	V AgL	19 01 43.95	3 -05 45 38 19		24 -0.037		i		1		1	A0	6	207368	עם	i
3700	V 856 Sc0	16 05 13.02	6 -38 57 38 55	1 0.00	- ,,,,,	1	-	1	L	1						

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR LESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N	1JV 1746 •	2 0	SPECTRAL CLASS	V)	C T.HO.	STAR PPOP.	1:
3701	59 B A; D	u2 07 51.149	+38 48 29.64	-0.0008	-0.022	6.71		17.5				A2		55331	7	
3702	GR AND	on 25 49.942	+32 09 41.58	-0.0017	-0.019	6.71	4	6.71	7			Ann	6	53921	איי	1
3702	LY AUR	05 26 21.945	+35 20 10 87	-0.0002	-0.004	6.71	4	6.90	7 .	6.12	7	09.5+09.5	7	58105	.,,,	ļ
		16 42 33.716	+06 10 57-17	-0.0142	-0.266	6.71	4			36.5		G5	4	101831		1
3704		18 17 16.190	+68 43 19.27	-0.0062		6.72	4			3.50		Δn	u	17847].	1
3705		17 57 07.511	-24 16 54.82	+0.0022	-0.033	6.72	趣		1			KU	4	186074	1 :	
3706	5 SGR NO AUR	05 37 26.943	+31 53 43.27	+0.0008	+0.006	6.72	7	8.26	7			B2V	7	5A322	V .	1
3707		03 59 27.740	+26 24 56 - 33	+0.0176	-0.161	6.72	4.		1	150		Gn	- 44	75696	1.7	
3708	51 ARI	08 59 03.648		-0.0012	-0.001	6.72	4	F 5.				83	4	236495	V	
3709			+19 53 51 58	-0.0023		6.72	4	146	1	1.1		A5	4	98030		
3710		09 52 56.908	-58 11 01.77	+0.0009		6.72	4	6.55	7		١.	B5Y	7	237480	V	
3711		12 32 35.872	+18 39 07 - 84	-0.0002		6.72			1			F1V?		100120	ÚΛ.5	1
3712			+25 48 28.47	-0.0049	-0.021	6.73	4		1		ı	F5	4	81674		1
3713			-02 12 59.83	-0.0005	+0.002	6.73	4		1		1	B8	4	143494	DV	
3714		10 31 18 040	+05 21 23.91	-0.0011		6.73	4		1		1	MB	4	124789	V	
3715		19 49 27.798	+27 19 52.77	+0.0004		6.73	7	7.87	7			F71AB-KOI		A7829	V	1
3716	5V VUL		+60 52 24.38	-0.0011		6.73	4					K9	4	14095	Ì	1
3717	LYN		+33 37 10.59		-0.020	6.74	4		100			AD	4	65360	į	
3718	31 HER	15 20 14.159	-14 57 24.85		+0.015	6.74	4				١.	K2	4	159212	1	1
3719	I 30 LIB	15 20 14 139	+38 09 00 23		-0.022	6.74	4		1		1.	Fn	- 4	61725		1
3720	17 LMI				-0.233	6.74	4					F8	. 4	4548	1	1
3721	54 CAS	02 04 46.640 22 02 15.929		+0.0001		6.74	4					B5	4	74016	ם	
3722	15 CEP	22 02 13 927	-18 45 12.18		-0.088	6.74	2	6.96	2	7.00	2	A.3		163625	ח	1
3723	12 OMI- 1 CAP	09 09 08.541	+18 15 00 42		-0.024	6.75	4		1		1	AO	4	98425	1	ŀ
3724	80 CNC				-0.009	6.75	4		1			A2	4	138015		
3725	66 LEO	11 06 40.428			-0.011	6.75	4		1		1	A2	4	139890	1	
3726	103 VIR		-01 45 37.73		-0.078	6.76	4		1		1	A5	- 4	184905	1	1
3727	31 OPH	17 01 30.712	-25 34 32•41 -45 34 01•06		-0.002	6.76	4	7.54	17			G5	4	227880	V	ı
3728	V 636 Sc0				-0.008	6.76	4		1	1		AO	4	194894		-
3729	3 SGE	19 22 30.479			+0.005	6.76	4			1	1	K5	- 4	61707	1	- 1
3730	16 LMI	09 47 09.987	+39 51 55 87		-0.001	6.76	1	6.760		1	1	A3V		612n2	n	-
3731	pe CNC	08 58 20.400	+32 26 56 52		+0.013	6.76	1					669	1	237690	V	
3732	R VEL	10 04 14.882	-51 56 38 00		-0.001	6.77	14		1		1	ΚO	4	91859		-
3733	40 PSC	00 1/ 20.996	+15 58 25 25		-0.026	6.77	3	7.10	3	6.44	3	B3	4	113974	١ ٧	
3734	AX MON	06 27 52.409	+05 54 08-03		-0.007	6.77	ŭ	' ' "	ľ	•	1	A2	4	151154		
3735	4 MON	06 06 04.791			-0.428	6.78	14		١.		1	GO	4	129992		١
3736	79 CET	02 32 49.378	-03 46 20 13			6.78	14	6.80	7		1	BITVEV	7	124798	- V	
3737	V1294 AQL	19 31 07 185	+03 39 07 84		+0.001	6.78	4	1	1	1	1	KO	14	91552		- 1
3738	83 PEG	23 50 07.490	+21 27 52.98			6.78	4		1			AO	4	126971	V	-
3739	EE PEG	21 37 34.216	+08 57 25 86		+0.012	6.78	14					KO	4	137565	1.00	
3740	26 SEX	10 24 03.728	-00 43 59.76		-0.000	6.79	4		1			KO	4	79974		
3741	11 CNC		+27 37 38 97		2 -0.025	6.79	14					AO	4	25364		-1
3742	28 CAM	05 42 38.602	+56 54 21.05		7 -0.023	6.80	1	1				AO	4	25344		1
3743	25 CAM	05 39 50.361	+54 50 35 34		L -0.014		14	1	1	The second	1	MSE	1 11	195748	V	
3744	T COL		-33 45 30 00		+0.034	6.8	, i		1		1	AO	1 4	233964	D	-1
3745	THE- 1 PIC		-52 21 21.56		-0.017	6.8	14	8.35	7		1	MSIII	1 7	232795	V	-
3746	TV HOR		5 -58 01 51.68		+0.028	6.80	4	0.33	1"	1		MAE	1	249053	V	-1
3747	R RET	04 33 01-116	63 07 55.59		7 +0.040	6.8			1			M7E	1 4	246334	l v	1
3748	S PAV		7 -59 19 37-62		+ -0.054	6.8	4	1			1	M4E	1	229959	V	
3749	RU SGR	19 55 16.833	3 -41 59 07.80		0.122	6.8	4				. [N3	1 4	49940	l v	- [
3750	V CYG	20 39 41.318	3 +47 57 45 41	-0.001	7 +0.026	6.8	4		1			INO.	1 7	1 7777	1	- 1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F DEG MN SEC 1	2	RA PM	DEC PM	VISUAL MAG.	Ŋ	BLUE MAG •	B N		U N	SPECTRAL CLASS	S	CAT.NO.	STAP PROP.	
		20 47 18.050	-05 20 01.14	1	-0.0011	-0.011	6•B	4					изг	4.	144854	ν	
3751	T AUR	20 11 34.543	+38 34 36 40	:	-0.0006		6.8	4	1.1				110F	- 4	69636	V	1
3752	RS CYG	17 55 49.486	-36 56 08 05	:]	+0.0025		6.8	6					An	.6	219552	· V	
3753	V1647 5GR	17. 35 34.700	-56 53 45.99		-0.0010		6.8	4				1	3 9	u	244037	V	ı
3754	R ARA	16 33 344777	+60 34 09 68	- 1	-0.0076		6.8	4					**5	14.	17155	V	1
3755	TX DRA	16 34 17.446		- 1	+0.0002		6.8	4		1			V°C	- 11	4575A	Ŋ	1
3756	ST HER	15 49 16.687			-0.0003		6.8	6	1	1	1 10 1		Ma	6	60532	, V	١
3757	SV LYN	08 00 23.811	+36 29 10 23		+0.0052		6.80	4					KO	4	43030		1
3758	14 LMI	09 43 31,106	+45 20 51 61		-0.0045		6.8	6					GO	6	176805	V	ı
3759	TY PYX	08 57 34.039	-27 37 10 52				6.8	6				1	F0	6	62579	DV	١
3760	AW UMA	11 27 25.569	+30 14 35 • 18		-0.0077		6.80	4	l		The second		F8	L	145566	∍D.	١
3761	24 AQR	21 36 56 857	-00 16 41 20	- 1	+0.0154			4				1	MA	ü	34387	V .	.
3762	RW CEP	22 21 13.980	+55 42 36 • 29		-0.0009		6.8	4		l '		1	Ko	4	91881		ı
3763	43 PSC	00 22 02.625	+14 02 18.98		+0.0011		6.80			1		1	AO	1 4	168	l v	١
3764	U CEP		+81 36 24 - 59		+0.0113		6.8	4		1			M5	7	22165	Ιν	
3765	V 465 CAS	01 15 05.608	+57 32 25.30	-	+0.0013		6.8	4				1	AO		157798	וס	
3766	54 A VIR	13 10 46.153	-18 33 42.09		-0.0016		6.8	4		1		1	AO AO	1 .	153362	D C	
3767	2 B PUP	07 43 10.625	-14 33 48.31		-0.0015		6.80			1		1.			43946	Ď	
3768	65 B UMA	11 52 35.569	+46 44 52.51		-0.0011		6.81						B9	١	165178	"	
3769	61 AQR	22 33 07.403	-17 43 08.50		-0.0022		6.81	4		1	1		K5	4			
3770	62 VIR	13 17 42.169	-11 02 31.04		-0.0085	-0.015	6.81	4		1		į –	Ko	4	157869		
3771	128 TAU	05 42 00.310	+16 03 58.34		+0.0004	-0.009	6.81	4				1	AO	4	94823	1	
3772	10 LIB	14 49 02 658	-18 09 01.41		-0.0010	-0.005	6.82	4				l	KO	4	158860		
3773		17 06 29.362	+24 33 01.37		-0.0003	-0.049	6.82	4		1			An.	- 4	84873	l	
3774	62 HER V1293 AGL	19 30 39 373	+04 55 14.55		+0.0006		6.82	4		1.1		1	MSIII	7	124777	V	
3775	14 AQR	21 13 36.770	-09 25 26.51		-0.0007	+0.006	6.82	4		1			MA	4	145251	1	
		01 09 56-655	+02 12 28.45		-0.0118	-0.103	6.82	4		1		1	F8	4	119727		
3776			+48 43 32-18		+0.0013		6.82		1	l		1	A0	1	40924	U.	
3777		u1 14 25.303	-02 32 25.59		+0.0172		6.83	4				1	F8	4	129210		
3778	40 CET	22 44 03 090	+64 47 52.62			+0.007	6.83	4		1		1	B3	4	20247	٧	
3779	AH CEP	22 40 03.777	+06 24 59.86	٠.		-0.012	6.83	4				1	KO	. 4	118135	1 _	
3780	16 SEX	10 00 57 705	+13 39 35.12			-0.412	6.84	4			1		KO	4	1n2018	D.	
3781	49 ScP	10 10 20 301	1.07 50 50 00			-0.008	6.84	4					KO	4	121451	1	
3782	12 HER	16 12 16 843	+07 58 59 09			+0.007	6.84	4		1		1	MB	4	101641	V	
3783	17 TAU- 4 SCP	15 34 09.007	+15 15 55.98			-0.104	6.84	14		١.		·I	F5	-4	77084	עם	
3784	CD TAU	05 14 33,494	+20 04 47.81			-0.114	6.84	14				1	F8	4	92884	1	
3785	23 ARI		+19 27 35.85				6.85	14	1 1	1			Ικο	4	79903		
3786	7 CNC	08 00 53.481	+22 12 44.84	. e.		-0.010		4	1	1			AO	4	146505		
3787	85 AQR	23 03 16.432	-08 12 24.77			+0.003	6.85	4	1	1			AO	4	191392		
3788	20 P5A		-25 30 01.13			+0.020	6.85	14	1	1		1 :	B9		42825	l n	
3789	39 LYN		+49 45 31.88			-0.003	6.86	14		1			KO	l ù	118577		
3790	57 LE0		+00 42 00 • 53			-0.005	6.86	1.			1 200		Go	1 4	93870	ם ו	
3791	55 TAU		+16 24 12.84	ľ		-0.032	6.86	1 "		1		1	B NE-BB	1 7	209105	ν.	
3792	V 862 Sc0	17 36 45.416	-32 10 28 89			-0.003	6.86				1		GM1	Ι΄.	94573		
3793	117 TAU	05 25 07.345	5 +17 11 57•17			-0.050	6.86		1	1		1	DA5		121774	D	
3794	36 -M- 1 HER	16 38 06 024	+04 18 11.75			-0.012	6 - 86	1	1	. 1:			BZV	1	132221	l o	
3795	34 DEL- 2 ORI	05 29 27.041	00 19 11 87	1.		-0.003	6.87	1		1		1	B3V?+A211	7	187294	ľv	
3796	V 356 SGR	18 44 54.357	-20 19 49 29			-0.003	6.87	14				1		4	43460	ľv	
3797	TX UMA		+45 49 45.74		+0.0014	+0.001	6.87	4	1			1	B8		92555	0	
3798	103 PSC		+16 22 20 89		-0.0002	-0.017	6.87	4		-[1 2.5%		G5	4		, ,	
	26 CAP		-20 23 47.76	ı	1+0.0019	+0.001	6.88	4	1	1			KO	1 4	190065 95852		
3799								4					I AO				

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V	BLUE MAG.	B N	415.	N N	SPECTR, L CLASS	5 "	5A0 C 1 T 110 1	GTAP	٠;
3801	g MuN	u6 24 32.193	-04 19 27.73	-0.0004	-0.007	6.88	Ĺ1					35	Į,	133267		
3802		06 03 45.686	+23 38 42.05	-0.0002	-0.004	6.89	4				1	KO	4	77971		
3803	2 GEM 22 CAM	us 34 51.781	+56 20 02.55	+0.0019	-0.133	6 • 89	4					F5	4	25208		1
3804	7 AgL		-03 19 13 17	-0.0033	-0.053	6.89	4		i i			A2	4	142696		1
3805	15 OPH		-23 05 33.07	-0.0019	-0.021	6.89	4				1	F5	11	184607		1.
3806	49 G _E M		+25 50 01.82	-0.0007	-0.013	6.89	4.		ı		1	A0	4	79172	l .	1
3807	Y LYN		+46 05 35.76	-0.0004	+0.000	6.9	4				1	MB _	4	41784	V	
3808	47 TV PSC		+17 36 59.07	+0.0082	+0.025	6.9			1			MSIII		01910	٧	1
3809	1 UW LYN		+61 32 03.51	-0.0003	-0.004	6.90			7			GM3	١	13787	y	
3810	Y HER		+07 12 26.72	-0.0013	+0.002	6.9	-14		1			B9	4	121728		
3811	AZ DRA		+72 45 55.81	+0.0010	+0.005	6.9	6.					'40	6	8598	V	
3812	V OPH		-12 18 54.74	+0.0006	-0.012	6.9	4		1.			N3F.	4	159916	ľ	
3813	V CRB		+39 43 22.73	+0.0018	-0.002	6.9	4				1	N3F	4	64929	V	
3814	T HER		+31 00 40 07	+0.0009	+0.006	6.9	4		1			MBE	4	66680	ľv	
3815	RS VUL		+22 21 00.57	+0.0010	+0.005	6•9	4	1	1			B8	4	87035	٧ .	1
3816	26 AUR		+39 31 06 13	+0.0001	-0.020	6.90	4					60	4	58460	١.	1
3817	ST CAM		+68 05 01.57	+0.0003	+0.011	6.9	4		1			NB	4	13285	V	1
3818	GK CEP	21 30 21.005		+0.0015		6.9	6		1			AO	6	10069	nv	1
3819	RU CYG		+54 05 49.33	-0.0037	-0.002	6.9	4		1		l	MBE	4	33654	V	1
3820	Y CYG		+34 28 08 28		-0.004	6.9	4		1			82	4	108403	l v	
3821	R PLG	23 04 08.222	+10 16 21.49		-0.030	6.9	4		Į.		1	M7E PEC	1	34614	ľ	1
3822	W CEP	22 34 32.712	+58 ₀ 9 59•87		+0.019	6.9	4			1		1	4	74593	ľ v	Į.
3823	Z PSC	01 13 21.018	+25 30 20 14		-0.007	6.9	4				1	NA	4	21002	W	1
3824	WZ CAS	23 58 41.893			+0.002	6.9	4					NA F6IV-V	"	185237	ח	1
3825	39 OMI- 1 OPH	17 14 57.384	-24 13 53.02		-0.010	6.90	١		1		1	A2V	7	209028	v	
3826	V 449 Sc0	17 33 43.201	-32 05 53 23		-0.035	6.91	4			1		1	4	128868	0	1
3827	15 CET	00 35 31.026	-00 46 41.55		-0.005	6.92	4		1		1	K0 F8	1 11	100311	"	1.
3828	33 COM	12 49 53.538	+17 22 49.27		-0.041	6.92	4		1		1	SA	L L	81463	i	
3829	j 39 LMI	10 37 35.267	+27 47 11.08		-0.008	6.93	4					B3	6	21646	V	
3830	V 486 CAS	00 39 48 829	+52 03 47.54		-0.010	6.93	4					G5	l ü	129177		
3831	36 CET		-07 02 53.29		-0.012	6.93	4		1.			A2	4	129217		1
3832	41 CET		-07 55 22.59		+0.022	6.93	4		1		1	KO	u	92556	1	1.
3833	104 PSC	1	+14 01 57.51		0.020 0.038	6.93	T.	1 2 2 2				KO	4	163740		
3834	13 CAP		-15 19 18 53		-0.027	6.93	4	1	1		1	K5	u	24925		-
3835	6 CAM		+55 44 46 54		-0.019	6.93	4	100			1	A3	- 4	93178	1	٠ ا
3836	44 AKI		+17 31 57 71		+0.005	6.94	4				1	B5	. 4	40183		
3837	12 AUR		+46 21 40.99		-0.003	6.94	5	6.880	17		1.	B9P	7	57631	V	
3838	HZ AUR	05 02 50.996	+33 51 08 33		-0.016	6.94	4			1		G5	. 4	8376		ı
3839	17 UMI	15 56 10.522	2 +75 43 05·22 3 +15 45 41·38		-0.002	6.94	4					AO	4	91954	D	
3840	49 PSC		+59 20 45 11		-0.031	6.94	4		1			K2	4.	26274	1	1
3841	46 CAM		+20 40 33.18		-0.001	6.96	2	9.99	2		1	C7-4E		77516	V	
3842	Y TAU T TRA	1			-0.044	6.97	4				1	AO	4	253029	DV	J
3843					-0.016	6.97	4	100				A2	7	64240	_ V	1
3844		1 7	+08 35 52-29		+0.084	6.98	4		1		-	F5	4	109111	D	1
3845					+0.012	6.98	4					К5	4.	117980		1
3846					+0.051	6.99	4				1	G5	4	145905	_	-
3847	36 AGR	23 02 42-41	8 -08 01 29-15		+0.002	7.0	1	1	1.		1	K0	.	146500	ָ הַ	1
3848		22 02 72.71	1 +28 06 20.37		-0.004	7.0	7				1	M6-M7	7	90201	l v	
3849 3850	TW PEG S CEP		+78 23 58 72		+0.007	7.0	4				1	NBE	4	10100] V	1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

MINOCA	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	PA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B	9.	e) U	SPECTRAL CLASS	ر د	SAT .NO.	STAP PPOP.	G
NUMBER				-0.0032	10 003	7.0	б							1=8210	Ŋ.	
3851	DL VIR		-18 27 45.03	+0.0114	1	7.0	u l			4 1 2 1	. [15	4	165868	r,	1
3852	-I- 28 AuR	23 43 25.519	1-18 57 26 72	+0.0007		7.0	4					14F	4	12980B	V	1
3853	R CET	02 23 28.709	-00 24 10 98	+0.0036		7.0	4	1 -				M6E	4	22817	V	1
3854	U PER	01 56 14 804	+54 34 48 93	+0.0007		7.0	4	1. 1. 1.	1		i 1	M4E	14	109934	, V	1
3855	R PSC		+02 37 27 97	-0.0019		7.0	6					MB	-6	238038	·V	1
3856	CK CAR	10 22 39.043	-59 56 15.93	-0.0015		7.00	4	7.19	7	6.49	7	BZIRPE	7	220069	V	1
3857	FY VEL	08 30 51.384		-0.0036		7.0	4		1			SF	- 4	15893	٧	1
3858	S UMA	12 41 45 615	+61 21 59 88	-0.0013		7.0	4		1		l	MR	4	138594	V	1
3859	RW VIR	12 04 41.092	-06 29 14.88	+0.0006		7.0	6		1 .		[A2	6	159146	٧	
3860	ES LIB	15 14 03.148	-12 51 21·50 -61 47 37·97	+0.0010		7.0	6			1 11 11	1	G5	- 6	252822	V	
3861	V 737 CEN	14 33 19.858	-59 07 38.16	+0.0076		7.0	4		1		l	MB	4	232977	V	ļ
3862	V Hor	03 02 14.490	-37 36 32.08	+0.0057		7.0	4		1		1	F2	4	193926	n	1
3863	UPS- 1 FOR	1 02 46 30 139	-32 11 21.15	-0.0011		7.0	4			100		KO	4	209132	V	
3864	BM ScO	17 37 42 /5/	+54 40 09.52	+0.0011		7.0	4				1	K5	4	30659	ĎV	- [
3865	UW DRA	17 56 31.970	+39 06 08.35		-0.006	7.0	6							70517	1	
3866	V 367 CYG	20 46 06 404	+21 52 51.61		+0.014	7.0	1			1		MITAR		78092	y	.
3867	TV GEM	07 30 00.288	+08 25 35 49		-0.008	7.0	4				1	M7E	4	115591	V .	
3868	S CMI	07 30 00.200	-11 50 35.15		+0.023	7.0	6.				'	NA	6	152427	V	
3869	W CMA	07 05 43.195 18 47 37.090	-07 57 59.35		+0.002	7.0					1 :	C5-4		142674	אַפַ	
3870	S ScT				-0.114	7.0		1	10		1	F5	ł	257060	עם	1
3871	S CHA				-0.045	7.01	4	7.00	7			A2P	7	120452	٧	١,
3872	FF VIR	14 23 22.973			-0.027	7.01	4					A2	4	118493		1
3873	38 SEX	01 32 11.938			-0.006	7.02	4					A3	4	92521	D	
3874	100 A PSC	21 32 06-423	-20 28 31 • 14		-0.060	7.02	4					F8	4	190463		
3875	38 CAP	22 24 02.388	-11 28 58 89		-0.008	7.02	4		Ť	1	ı	A3	4	165079		- 1
3876		21 44 00.428	-11 55 40 13	+0.0020	-0.128	7.02	4		1.		1.	F8	4	164640		
3877		16 46 41.565	-24 33 16.27		-0.016	7.02	4.		1		1	A2	4	194683		
3878		16 16 20.128	+23 17 46.15		-0.007	7.03	4				1 .	B9	4	78225		- {
3879		22 07 51.820	-11 04 02.37	+0.0034	+0.029	7.03	4		1		1	KO	1 4	164907	b	- 1
3/380	37 AQR	12 16 45.613	-08 38 12.56		-0.027	7.03	4	1	1			KO	4	138716	1 "	- 1
3881		13 07 43.603	+38 59 22-62		-0.009	7.04	4				1.	A3	4	63377 99577	1	
3882	16 CVN 71 LEO		+17 42 41 85		-0.020	7.04	4		1	1	1	KO	4	154514	l v	- [
3883	AK HYA		-17 07 23.39		2 -0.161	7.04	4					MB	4	184786		- 1
3884 3885		16 51 49.250	-23 25 55+27	-0.0011	-0.031	7.04	4				1	K0	4	8842		- [
	22 OPH		+74 15 33.08	-0.0186	+0.039	7.06	. 4	i	1			K2	1 :	137430		- 1
388 ₀ 3887	21 SEX		-07 44 40.38	-0.0014	+ -0.019	7.06	4					KO	1 %	164935	1	
	40 AQR	22 10 46.066	-12 10 26.50	+0.001	7 -0.018	7.06	4		1			G5	1 4	129722		- 1
3888 3889	62 CET		-02 34 02.60	-0.007	1 -0.035	7.07	4	1				FB	"	186575		-
3890	17 SGR		-20 33 45.94	+0.000	9 -0.015	7.07	4	1			1.	G5+A5	4	31632	V	
	CH CYG		+50 08 31.02	-0.000	9 -0.015	7.07	4		7.7		1	MB	"	13030	DΫ	
3891 3892	5Z CAM		7 +62 11 59.67		3 +0.010	7.07	1	1		1		BOII-III	4		l v	- 1
3893	XX CAN	n4 04 46.07	7 +53 13 43•99		B +0.001	7.07	4				1	K0	4	139407	1	
3894	77 ^^ V18	13 30 47.57	8 -07 21 59 21	-0.005	2 -0.001	7.08	4	4			1	FO DE	4	23886	l v	- 1
3895	CC CAS	03 10 07.40	8 +59 22 38 48	+0.000			14		1.			85	4	253117	Ιv	
3896	R TRA	15 15 15 87	2 -66 18 53.37		3 -0.022		4		17			Gn	1 ,	189308	v	-
3897	T MIC	20 24 52.53	4 -28 25 39 22		9 +0.003		. 4					M6E	4	9828	ľ	į
	- 1	20 38 03.00	9 +75 24 58-37	+0.089	9 +0.560		4		- 1		١.	G5	1 4	103254	ľv	- 1
3898	VW CEF	₹ 17 55 51.37	2 +15 08 31•45		6 +0.074		4		1			F5	1 .	254172	v	ı
3899	R PAN	1 00 00 03	1 -63 37 43.55	1+0.000	3 +0.021	7.1	4		- [-			M3E	1 4	4371/6		- [

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V Z		Đ N	0 -	U N	SPECTP+L CL155	7	5A1 1 T.M0.	STOP.	71
			+52 46 31.71	+0.0007	-0.007	7.1	6	7.7.				AO	6	30164	V	
3901	AI DRA	16 33 00.030	-34 46 45.73	+0.0016		7.1	6		1			98	4	207641	V	1
3902	V 760 Sc0	12 30 31 621	-54 18 31 - 32	-0.0096		7.10	4							241075	(7)	1
3903	O-1 CEN	13 13 37-025	-44 26 26 26	-0.0004		7.1	4					K5P	4	224021	V	1
3904		09 18 52 089	+17 26 43.26	+0.0002		7.1	14			1.15		SF	41	27753	J	1.
3905		07 35 41.142	+59 40 42.93		+0.003	7.10	4					A?	4	26450	1	1
3906		27 26 56 398	-01 18 40 25	-0.0013		7.10	4.			1.00	1	GD	4	146735		1.
3907	12 PSC KV CYG	21 41 12.006	+37 47 16.91		-0.004	7.1	4					N5	4	71642	V	
3908	EM CEP	21 52 21.842	+62 22 40 46		+0.017	7.10	4	100			1	н3	11	19718	DV.	1
3909 3910	R VUL	21 02 09.306	+23 37 19.43	+0.0017	+0.007	7.1	4	1				M4F	14	49429	~v	
3911	W HYA	13 46 12.222	-28 07 06.51	-0.0028	-0.060	7 - 1	4					MAF	. 4	141941		1.
3912	24 A CNC	ne 23 41.534	+24 41 59.89	-0.0029	-0.083	7.10	1				1	ëF1		137142	0	
3913	SEX	09 45 43.552	-07 00 45.84	-0.0020	-0.017	7.11	4				1	Bo	4		1	1
3914	68 CNC		+17 16 42.26	-0.0018	-0.013	7 - 1 1	4				1	B9	4	08302	l n	1
3915	81 VIR		-07 37 02.04	-0.0008	-0.004	7.11	4				ŀ	K2	4	139447	D.	
3916	31 SEX	in 27 56.023	+02 24 26.75	+0.0041	-0.047	7.12	4		1	:	ŀ	К0_	4	118341	v	1
3917	V1372 CYG	20 12 18.456	+53 30 24 • 79	-0.0048	-0.048	7.12	4	7.n9	7	100		A4P	7	32379	V	1
3918	B4 GEM	07 50 02.935	+22 27 52.83	-0.0004	-0.009	7.12	4					KO	4	79768	r	
3919	RHO- 4 OPH	16 22 35.008	-23 17 30 47		-0.032	7.13	4		ľ		1	A	4	184383	1 '	ı
3920	3 LYN	06 17 30 382	+61 47 08 84	+0.0003	-0.112	7.15	4		1	1		FO	4	13819	2	1
3921	29 A AUR	21 59 42.543	-17 12 21.87		+0.004	7-15	1				l	A2		179648	ľv	1
3922	TT HYA	11 10 45.669	-26 11 34 84		+0.003	7.16	4		l_			A2	7	145652	v	
3923	EP AGR	21 43 56.463	-02 26 40.90	+0.0015	+0.025	7.16	4	8.65	7		1	MATTT	u u	165217	'	1.
3924	64 AGR	22 36 38.232	-10 17 18 75		L -0.004	7.16	4	· ·		7.5		G0	4	165366		1
3925	75 AGR	22 51 28.949	1-12 27 23.02		2 -0.045	7.18	4					Ko	1 7	109195		- [
3926	45 PSC	00 23 07-104	+07 24 53.46		1-0.044	7 • 18	4		1		1	KO	1 "	137805		
3927	39 SEX	10 46 27.477	/ -08 50 06•04		0.028	7.18	4		1			KO.	4	158431	l v	
3928	LV VIR	14 10 27.235	-13 37 33 62		2 -0.024	7.18	4		1		1	MR	6	218988	ĺν	
3929	S PUP	07 45 16.786	6 -47 59 17 44		+0.016	7.18	4	7 .54	٦	1	١,	A2 F6V	1	248345	l n	1
3930	KAP- 1 TUC	01 14 03.911	-69 D8 23·34		+ +0 • 113	7.186		7.656	2	7.686	1	SE	a	96548	l v	- 1
3931	R CMI	07 05 57.563	+10 06 16 10		3 -0.009	7.2	4		1			DF9	1 "	182856	יר ו	
3932	54 -M- 2 HYA	14 43 06.570	-25 14 00 • 12		-0.083	7.2	1.					F2	L	241597	v	
3933	RR CEN	14 13 24.877	7 -57 37 22 09		5 -0.039	7.2	4		1		1	SE	4	2366	V	1
3934	R CAM	14 21 17.844	+84 03 37.48		5 +0.017	7.2	4				1	MB	4	64848	V	
3935	RR CAB		+38 43 01.03		3 -0.035	7.2	14		1	1		F3	4	83548	V	
3936	RY BOO		1 +23 14 19.37		5 -0.012	7.2	4	7.98	١,		4	Go	4	94036	Ų	
3937	SZ TAU		+ +18 26 35 17		2 -0.005	7.2	6	7.90	1′		1.	M2-M3IAB	1 7	23207	v	
3936	AD PER	02 16 56.98	+56 45 51.51		+0.005	7.2	l°.			1		DG7	1 '.	159666	D	- 1
3939	XI - 2 Sc0	16 01 37.34	2 -11 14 08.07		7 -0.018	7.2	اء		1.	1:		AO	6	209923	V	- 1:
3940	V2509 SGR	18 12 28.400	5 -35 39 16.24		2 -0.040	7.2	5	7.56	1,	1	1.	Fo	7	209160	l v	-
3941	V 703 Sc0	17 39 00.57	7 -32 29 59 96		0 +0.009	7.2	4	7.34	17			F5	4	48421	V	1
3942	RR LYR	19 23 52.140	0 +42 41 11.91		0 -0.184	7.2	6	1, 3, 3	1		1	NO	6	162465	V	
3943	V1942 SGR	19 16 17.82	+ -16 00 03.03		9 +0.003	7.2	4				1	AO	4	103793	V	
3944	RX HER	18 28 20.20	2 +12 34 31.90		3 +0.013	7.2	6			100		MB	6	62693	V	
3945	TV U,4A		+36 10 18.06		6 +0.020	7.20	4			1	1	A3	14	181797	V	
3946	TV HYA		3 -23 21 39.65		7 -0.059	7.2	17	1	1	1	1	M5	4	23261	V	1
3947	S PER		5 +58 21 33.90		9 +0.016	7.2	17					SE	4	4374	V V	-
3948	S CAS		5 +72 20 55 56		1 -0.015	7.20	4				1	Ko	4	165248		1
3949	65 AQR	22 40 23.44	6 -10 21 54.38		4 +0.014	7.2	4		1		1	1		246964	ח	1
3950	THE- 1 IND	21 16 18.22	8 -53 39 35.85	+0.010	9 -0.067	1.02	17				I		1	I	1	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA CROERED BY VISUAL MAGNITUDE

A11)	STAR DESIGNATION		DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG.	B N	MAG.	U N	SPECTPAL CLASS	М	CAT.NO.	PROP.	ļ.,
NUMBER					+0.0008	-n.on9	7.2	6					9 D	-	33320	14	
3951	FZ C _E P		+55 14 14 89		+0.0000	4. 1. 7.	7.2						.10		230635	, v	1
3952	T IND	21 10 52.207	-45 14 03.64	1 1	-0.0009		7.21	4	r Albert				K1	ц	118354		1
3953	32 SEX	10 29 42.662	116 11 13.67		-0.0021		7.21	ц				1 1	i - 5	L u	157811		
3954	52 CNC	08 48 22.988 13 12 07.590	-10 n6 20-17	1 1	-0.0023		7.21	4		1		Į į	//5	1 "	128930	1	1
3955	56 VIR	13 12 07.590	-10 00 20 1	1 1	+0.0006		7.21	4					K5	1	76771	l v	-
3956	28 VIR	12 39 22.327 04 46 06.215	-07 13 32 07		-0.0001		7.21	4	7.23	7	i .		AOP	۴	200444	٦,	
3957	V 473 TAU	09 28 36.972	-31 00 13-06	1	-0.0013	-0.029	7.21			1	_	١.	¥0	1	226772	Γ.	110
3956	ZET- 1B ANT	16 23 29.386	-47 26 12-79		-0.0027		7.218	5	7.148				Α	1 -	119843	V	1.
3959	EPS- 1 NOR	13 13 52.749	106 46 08.32	1	-0.0014		7.22	4	8.76	7	10.26	7	WELLI.	7	157837	1	1
3960	FH VIR	13 14 49.849	-10 17 00-19		-0.0057		7.22	4		1			FO	4	258218		
3961	58 VIR	00 12 16.820	-88 x8 27.64	1	+0.0437	+0.000	7.22	4					AO FOD	1 4	159292	1	1
3962	OMI OCT	10 12 10.020	-17 16 10.98			+0.007	7.23	4				1	FOP	7	132331	Ιv	1
3963	I 33 LIB	15 26 44.732 05 33 05.248	-04 52 07.25	1 .	+0.0006	-0.007	7.23	5			- 1		B3VP	1	95795	<u> </u>	
3964	V 359 ORI	06 29 23.414	117 19 17.07	1		+0.030	7.24	4	1	1.			FR		109667	l n	1
3965	20 A GEM	01 03 16.018	+04 38 37-56		+0.0018	-0.114	7.24	2	7.73	2	7.70	5	DF4	4	139745	1 .	1
3966	77 B PSC	14 09 53.309	-09 39 57-37			-0.024	7.29	4			1		FO	1 4	88270	l n	ł
3967	97 VIR	20 07 40.055	-20 44 54 04		-0.0003	+0.009	7.29	4					K2	1 "	257742	l v	
3968	THE- 1 SGE	19 45 08.004	-71 53 52 31		-0.0010	-0.008	7.3	4					M3E	1 4	16806	V	.
3969	T PAV	15 39 12.505	+64 49 19·18			+0.011	7.30	4		1			K2	6	16635	DV	1
3970	VY DRA	15 10 50.659	+62 02 32.93		-0.0245	+0.094	7.3	16		1_		1-	GN GM4	7	149358	T ŷ	1
3971	BV DRA	04 03 30.969	-10 25 48.27		+0.0018	-0.003	7.30	4	8.91	7	10.70	1'	M3E	4	75245	V	1
3972	CY ERI	02 13 16.060	+24 49 30 - 55		+0.0023	-0.011	7.3	4	1			1	RB	1 6	13009	V	1
3973	R ARI	04 01 31.482	+61 39 32.66			-0.012	7.3	6		1		1	MAE	4	128740	V	1
3974	S CET	00 21 30.896	-09 36 16 04			+0.036	7.3	4			1 4 4		MD	6	192357	V	1
3975	SW SCL	00 03 41.224	-33 05 40.72	2		+0.014	7.3	6		7	10.69	7	MB	1 6	215460	V	
3976	AK PHE	11 17 24 600	-47 33 16.23	5		5 -0.008	7.3	6	1	1'	μυ.69	1	MB	6	50770	V	
3977	V1070 CYG	20 51.727	+40 43 06-11	L 1		-0.008	7.3	6	I .	1.		1	M6E	Ĭ ŭ	128130	V	
3976 3979	5 PEG	23 18 00.950	1+08 38 42.05) <u>.</u>		2 -0.028	7.3	4		1		-1	100	l	157709	n,	
	54 B VIR	13 10 46.352	1-18 33 36 - 70	ווכ		0.015	7.3	4		1		1	M3E	4	117236	V	1
3980 3981	5 HYA	08 50 57.491	1+03 15 30 - 36	В		7 +0.010	7.3	15		1.		ŀ	AO	7	175409	٧	1
3982	XZ PUP	DR 11 22.061	-23 48 03.9	7		3 +0.005	7.3	4	-	-1		ŀ	M3E	. 4	136414	- V	1
3983	T HYA	ne 53 13.761	-08 56 58·0	7 .		5 +0.003	7.3	4		i	1	1.	FO	4	33026	. J V	- 1
3984	DO CEP	20 56 23.992	1+55 17 34+9	0	+0.002	3 +0.021	7.31	4				1	F2	6	167451	۷٥	-1
3985	AA CET	n1 56 40.618	-23 09 44•8	5 ļ		2 +0.058	7.31	17				1	A3	1.	145064	9	-
3986	12 B AQR	21 01 25.954	-06 01 22-0	0		0 +0.015	7.31	4		-1.	i	1	MSII	7	149559	*/	
3987	DG ERI	nu 18 25.810	-1 6 56 55•9	1		4 -0.037	7.32				1		KO	u	155064		
3968	25 HYA	l no 15 04.738	1-11 45 03.6	6		7 -0 -046		- 1 .	4				F8	4	137424		- 1
3989	20 SE)	l in 11 15.122	-07 08 09•6	0		9 +0.015				- 1		-	Gn	- 4	109905		- 1
3990	95 PS	01 25 03.867	+05 05 44.3	4		4 -0.128	1			٠ ١ ٦	,	ı	Во	4			1
3991	11 LU GEN	06 16 16 633	1+23 29 27•3	5		1 -0.007	_	1 1				1	F8	- 4	127		
3992	BL TEL	1 10 02 43.938	31 - 51 29 42•1	8		4 +0.005	1		· 1			-	KO	4	44499		
3993	18 CVI	al 13 no 12.571	[+41 n3 28•1	71		3 -0.013				9 1	6.52	9 1	B8	- 4			
3994	-B- 18 CAF	ol na 55 50.184	-59 01 57•6	2		6 +0.015							Κn	L L	7		ŀ
3995	78 CN	- no no 14.228	+17 40 24-1	2		0 +0.053				- [1			231718		- 1
3996	THE- 1 PHE	23 36 46.737	-46 54 54 7	2		0 -0.050				- 1		1	A'O	L			
3997	87 Agi	23 04 35.742	2 -07 57 52 9	2		7 -0.021					1	- -	V2	7			1
3998	VW UM	10 55 37.999	+70 15 25 -5			0 +0.007		1					:MA	4	13084		-
3999	ZZ CA	4 04 13 15.861	+62 13 26.9	'		5 +0.005		- 1		- 1			DF6	1	75470	ם	1
4000		1 U2 34 U4.321	1 +24 25 54.1	۰.	40.010		'''	1	1 .		1	_ l	1	L_			

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITURE

NUMBER	STAR DESIGNATION	FT. ASCEN.	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	۷ ۷	BLUE MAG.	B. N	41V 446.	U N	SPFCTR+L CLASS	· 5	5A1 C T.10.	571F PPOP.	15
4001	Z V _U L	19 19 35.302	+25 28 44.04	+0.0004	-0.000	7.38	7				- "	1847+A2-31	7	37113	V	Т
4002	R AND	00 21 23.025	+38 18 02.28	-0.0007		7.39	2	9.36	2	10.61	2	56-6F		53860	v	1
4003	V3790 SGR		-16 43 06.33	+0.0013	-0.019	7.4	6		1			NS	£. '	162748	17	1
4004	W HER	16 33 26.023	+37 26 48 02	-0.0025	+0.003	7.4	4		100			V.3E	4	65409	N	1
4005	R TĀU		+10 03 08.88	+0.0011		7.4	4					MSF	ц	03940	ν .	4
4006	T ERI		-24 10 40 65	+0.0030	-0.007	7.4	4	,				M4E	4.	168950	V	1
4007	T ARI	02 45 32.038	+17 18 07-17	-0.0026	-0.002	7.4	4					46	4	93115	V	
4008	TU GEM	06 07 46.805	+26 01 34.74	+0.0006	-0.007	7.4	4					NA	ti	78066	V	i
4009	6 UMI	14 45 34.278	+72 10 28 • 52	-0.0081	+0.024	7.40	4	1.1	1			Λ5	4	8081		ł
4010	0ن9 ۲	14 19 41.776	+20 01 59.36	-0.0011	-0.032	7.4	4		1			~0	4	83308	v	1
4011	IX CAR	10 48 27.507	-59 43 02.01	-0.0007	-0.014	7.4	6	1		1		NO.	6	238523	V	1
4012	V CAR	JB 27 42.525	-59 57 17.92	-0.0004	-0.014	7.4	4	8.110	7	1 1 1		65	n.	236021	V	
4013	EK CEP		+69 27 50 02	+0.0015	±0.015	7.4	6		l	1		Vυ	6	19545	V	
4014	29 DX B AQR		-17 12 24 16	+0.0010		7.4	4			ł			١.	164829	יטע	1
4015	S PHE		-56 51 13.23	-0.0012		7.4	4		1	1		V3"	ıı	248090	V	1
4016	R CVN		+39 47 26 • 61	+0.0017		7.4						646	l	63763	, v	1 -
4017	RZ PUP	07 43 24.713	-39 43 34.98	-0.0004	+0.006	7.41	4		•	1		- K2	4	198396	A	1
4018	V 393 Sco		-35 02 28 83	+0.0010		7.42	5		1			B9	7:	209291	ν	1
4019	WY GEM		+23 13 10.94	+0.0005		7.43	5		1			M2IABEP+B	7	78094	V	1
4020	EO AUR		+36 34 46.84	-0.0011		7.44	4		1			B5	u	57857	V	1
4021	39 PSC		+16 03 13.73	+0.0152		7.44	4		1.			F5	4.	91825		1
4022	EG AND		+40 24 22 49	+0.0009		7.46	4				l	GM2E	7	36618	V	i
4023	11 PSA		-27 52 12.76	+0.0029		7.46	4		l	1	l	F0	-4	190800	ŋ	1
4024	20 UMA		+59 59 35 • 56	+0.0048		7.46	4		!		ŀ	K0	4 -	27213	į	
4025	AB AUR		+30 28 21 61	+0.0006		7.46	4 .		 _	i ·	ļ	A0	- 4	57506	V	1
4026	FS CMA		-13 01 11.68	+0.0008		7.46	4	7,49	7			BaivE	7	151534	V	1
4027	V 506 OPH		+04 59 30 80	+0.0046		7.46	5					F4V	. 7	122946	٧	1
4028	AW PEG		+23 46 38 19	-0.0003		7.48	4		i .	:		A2	4	90061	. V .	ı
4029	51 LMI		+25 28 21 80	-0.0296		7-49	4		1	- d - 1		G0_	L.	81657	l	
403 ₀	V CVN		+45 47 22.43	-0.0047		7.5	6	·	١			M4E	7	44564	V	1
4031	bG VEL V VEL		-51 13 59.96	-0.0008		7.5	6	8.56	7			G5	6	236640 236893	V	1
4032 4033		09 20 45.402		+0.0010		7.5	6	8.00	ľ			G5		236983	v	
4034	GL V _E L AP PuP		-53 17 49.95 -39 59 14.80	-0.0013		7•5 7•50	5		ŀ.			MB F5?÷F8?	6 7	198641	ľ	1
4035	W PUP		-42 04 21.62	-0.0007		7.5	7			i		M3E	7	218969	ľ	
4036	FK HYA	08 22 02.251		-0.0021		7.5	6					MP	6	135876	ľ	1
4037	RZ VEL		-43 56 21.35	-0.0018		7.5	4	8.25	7			Ko	4	220186	v	1
4036	DM CEP		+72 31 23.96	-0.0049		7.5	6	5,25	1'			MB	6	10258	ľů	
4039	ER VUL		+27 36 33.35	+0.0062		7.5	6	4 .	1		-	Gn	6	89396	v	1
4040	DY VUL		+23 47 50.96	-0.0002		7.5	6		1	1		MB	6	89414	ľv	
4041	51 CAS		+74 20 41.10	-0.0006		7.50	4		1			AO	4	4570	1	1
4042	37 PSC		+13 38 20.97	+0.0024		7.50	4		1.			A3	4	91812		Ì
4043	R PHE		-50 03 55 02	-0.0030		7.5	7		1		ŀ	M3F	7	248066	l v	1
4044	RY Sco		-33 41 31.50	+0.0022		7.5	4	8.70	17	l i		G5	4	209340	עת	1
4045	1/ 533 Oph		-02 34 07.45	-0.0042		7.5	6			1		MC	6	141939	v	1
4046	RS HER		+22 58 06 93	-0.0012		7.5	4		1	1		MSE	ц	A5031	v	1
4047	V 535 ARA		-56 47 28.93	-0.0070		7.5	6		1			A3	6	244895	ľ	1
4048	AH DRA		+57 53 59-21	-0.0017		7.5	6		1	1		M5	6	30107	ľ	1
4049	15 HER		+11 32 52.74	-0.0030		7.50	4			!		KO	II.	102046		1
4050	RT VUL		+22 17 55.73	-0.0006		7.5	7		1	1		B8	7	86919	v	1
7770	I "''	l *********	1 1. 33-73	1	1	, - 3		1 :	1 1	1		"	'	, , , , ,	ľ	1

TABLE 5 CONTINUES
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITHUE

NUMBER	STAR DESIGNATION	HT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	٧	BLUE MAG.	B N	9V.	U N	SPECTRAL CLASS	ir,	SAT .HO.	ciado.	
4051	RX CYG	26 09 17.740	+47 39 49.46	-0.0018	+0.015	7.5	4					. 63	tı	110585	٧	1
4052	CT DEL	20 27 01.824	+09 43 48.97	-0.0015	-0.015	7.5	۴					₩₽	. 5	125861		
4053	S ORI	05 26 32.676	-04 43 51 68	+0.0029		7.5	4		1			∨7 ⁻	14	132153	1	1
4054	Z CAE	04 51 01.268	-43 08 34 38	+0.0021	+0.058	7.5	6		1		1	MΔ	F,	217051	٠.٧	1
4055	T LEP	05 02 43.172	-21 58 18.75	-0.0005	-0-035	7.5	4		1		1	√7 □	Li ·	170041	V	1
4056	V 505 MUN	a6 45 13.368	+02 33 09.95	+0.0602	-0.019	7.5	6			100	i	55	6	114378	٧	
4057	V 523 MON		-08 57 32.47	-0.0006	+0.027	7.5	6		i		1	MB	۴	133965	V	1
4058	SX PHE	23 43 54.191		+0.0235	-0.852	7.51	14		1		l	Vυ	4	231773	. v	1.
4059	11 CET	in 27 21.267	-01 23 34.33		-0.073	7.52	4				_	Fn	4	128789		1
4060	TT PSA	22 00 22.687	-31 41 14 15	-0.0006	-0.017	7.52	5	9.00	7	10.23	[7]	M7TII	T_{ij}	2135nn 179679	V	1
4061	HY HYA	11 12 10.279	-25 48 07.64		-0.014	7.53	4		1_		l	MB	6	147289	V	
4062	AG CET	00 25 26 277	-11 56 06.60	+0.0026	-n.011	7.54	4	8.96	7		1	M3	6	67859	V	1
4063	V 398 LYR	19 06 31.368	+39 04 27 22		+0.011	7 • 55	4		1	1 .	1	M6	7	198944	v	1
4064	RS PUP	08 11 08 975	-34 25 35 61		+0.020	7.59	7		1		i	FR-K5	7	98874	V	·
4065	26 LEO	09 55 28.730	+15 27 38 33		-0.01°	7.6	4	1		1	1	G5 M2-3111F	7	15775	v	1 .
4066	RY UMA	12 18 03.991	+61 35 13.27	-0.0061	-0.016	7.6	6		1_		1	1			l v	
4067	V 436 CAS	23 30 26 804	+57 37 45.85	+0.0015	-0.001	7.6	6	7.880	7	1	l	AO	6	35532 4557	l v	
4068	V 393 CAS	01 58 27-104	+71 03 26 10	+0.0082	+0.031	7.6	5	<u> </u>	1	ŀ		MA	- 6	22994	ľv	1
4069	KK PER		+56 19 24.78	+0.0005	+0.023	7.6	6		1		1	K5	ń	,,,,	V	1
4070	RX CEP	00 45 54.184	+81 41 42.37	-0.0018	-0.001	7.6	6					G5	6	130	ľ	
4071	KZ PAV	20 53 50.503	-70 36 57.93	+0.0022	+0.020	7.6	6				1	F2	6	257869	v	
4072	V1425 CYG	21 09 32.901	+55 07 36 • 55	-0.0008	+0.005	7.6	5		1			BR	6	33196 52048	ľ v	1
4073	S LAC	22 26 49.375	+40 03 34 - 34	+0.0030	+0.022	7•6	4].	1	MSE	4	1	Ιv	1
4074	AG PEG	21 48 36 185		+0.0002	+0.002	7.6	5		1		1	WN6+v1-w3I	7	165624	٦,	
4075	94 B AaR	23 16 28.764	-13 43 38 44	+0.0210	-0.088	7.6			1	1	1	K2V	١	3809	V	1
407b	AR CEP	22 52 38.324			+0.018	7.60	4				i	MR	4		ľ	
4077	YZ SiR	18 46 35.107		-0.0018	3 -0.009	7.6	6	1	١.		1	G0-G7	7	161870	νν	ľ
4078	BB SiR	18 48 01.973			-0.028	7.6	4		1	1		GO	u.	125610	Ινν	
4079	I R DEL	20 12 30.219	+08 56 08.76		0.025	7•6	4		1_	1	1	V5E	' '	195020	Ιv	i
4080	BF OPH				+0.008	7.6	6	8.3	7			F5V	4	244859	v	
4081	RW ARA	17 30 32.762	-57 06 50 86		1 +0.013	7.6	5				1	An	5	12870	۱v	
4082	U CAM	03 37 29.094	+62 29 18.79		+ +0 • 016	7.6	4		1.			NB	4	217499	lv	
4083	W PIC	05 41 50 156	-46 28 30 99		1 +0.008	7.6	4		1		1	N ?			l v	
4084	SW CRB	15 38 55.460	+38 52 41.93		2 +0.002	7.6	6					K5	6	101503	ľ	1
4085	S SCP	15 19 18.973	+14 29 35 00		2 -0.001	7.6	4				1	M5E	4	242485	Ιv	1
4086	GH LUP	15 20 56.507	-52 40 38 86		5 +0.004	7.6	6	1		1	1	G5	6	14121	Ιv	1
4087	AA CAM	07 09 34 134	+68 53 25 18		5 +0 • 0 0 4	7.6	4		1: -	1		MB	7	114704	ľ	
4088	RV MON	06 55 40.722	+06 14 08 25		3 +0.026	7.6	6		1	1		NB	4	201114	ľ	1
4089	R ANT	1 10 07 35.813	1-37 29 09.78		2 -0.038	7.61	4		1			AO	1 *	31284	1	1
4090	48 DRA	18 55 54.222	+57 44 52.65		9 -0.066	7.62	1.	1	ı		1	GK3 F8	4	26269		1:
4091	45 CAM	U7 14 52.505	+59 13 03•90		1 -0.027	7.63	4		ļ			DF6	1 *	80185	10	1 ^
4092	24 B C.VC	08 23 41.815	+24 42 04 • 08		2 -0.088	7.64	1.	0	7		1	MB	6	147656	l "ν	1
4093	AM CET	01 08 48.361	-13 46 08 08		6 +0.001	7.67	4	9.16	-1'	1	1	1 11173	۱ ۵	207209	0	
4094	ETA- 2 LUP	15 56 48.448	3 -38 15 05•34		7 -0.027	7.69	4		- 1			MO	6	47242	ľν	
4095	V 566 HER	18 06 16.706	+41 42 37.55		7 -0 - 045	7.7	6	1	1		1	M4	7	103576	l v	
4096	IQ HER	18 15 42.636	6 +17 57 36 90		1 +0.037	7.7	6		-1	l .	1	MSA	1 7	209460	lů	
4097	TX SCO	17 51 55 891	1 -34 13 39.66		5 -0.007	7.7	5						1 7	69031	v	
409B	V 449 CYG	19 51 26.823	1 +33 49 07-16		7 +0 029	7.7	6		-			M3	4	143184	ľ	
4099	W AGL	19 12 41.684	-07 08 08 41		0 +0.008	7.7	14	8.660	, <u> </u>			SE G5	l u	124305	l v	
4100	TT AQL	140 05 41 30/	+01 13 06-96	: L + N − N N N	3 +0•009	7.7	4	10.h0t	11/	4		1 (7:1	, ,	1	, ,	ı

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR CESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	Р N	RA PM	DEC PM		Ŋ	BLUE MAG.	P N	UV MAG.	Ŋ	SPECTRAL CLASS	, t.	SAN C.T.NO.	STAR PPOP.	ŀ
		15 16 08.892	±31 #9 #3.85		-0.0023	-0.011	7.7	ц					на.		64617	.,	
4101	U CHB	14 28 01.653	-29 52 34.48		-0.0012		7.7	4					٧r	-14	19261A	V	1
4102	Y CEN	03 03 26.431	433 05 58.11		+0.0011		7.7	6	7.69	7		L '	RON	7	5615P	V	1
4103	V 383 PER	03 03 20.431	+56 49 49 37		-0.0002		7.7	6					42	۴	234A4	\	1
4104	YZ PER	02 34 40.030	+46 21 00.52	1	-0.0033		7.7	5		1			89	7	40167	. V	1
4105	IM AUR	05 11 47.293 00 53 52.554	-25 49 26 76	. 14	+0.0003		7.7	6	9.30	7	11.18	7:	M2	6	166602	V	1
4106	AC ScL	00 53 52.554	-23 47 20 10		+0.0002		7.7	6					M3.5TAP	7	23250	1,	1
4107	SU PER	02 18 35.127	+56 22 35 40		-0.0048		7.7	6	7.91	7		1	B2IP	7	23117	У	1
4108	V 357 PER	02 13 27.250	1+56 29 15 66	1	+0.0027		7.7	6		100		1	[2 9]	6	21206	٧	
4109	TV CAS	00 16 36.002	1+50 51 42.03		-0.0001		7.7	5	8.110	7		į .	B5	5	20401	A.	1
4110	CW CEP	23 02 01.053	+63 07 37.43		+0.0001		7.7	7		1			MD	6	255220	71	ŀ
4111	T TUC	22 37 16.783	-61 48 53.94	1	-0.0012		7.7	6		4		1	Fn	6	10061	, V	
4112	EI CEP	21 28 42.578	+76 11 02.27	1	+0.0038		7.7	6				1	К2	6	50703	V	1
4113	CE CYG	21 17 08.779	+46 47 44 58		-0.0031		7.7	4				1	A2	4	27249	n	1
4114	21 UMA	09 22 06.191	+54 13 56.75	1			7.7	6	8.70	17	9.34	17	K2IV	7	177412	V .	
4115	IL HYA	09 22 33.861	-23 36 35.31	1	-0.0040	4.00	7.7	5	1		1.0		ORVPE	7	97083	V	
4116	BN GEM	07 34 13.366	+17 01 01.52		-0.0005			4	8.44	7	1		G 5	4	2202nA	V	
4117	T VEL	UB 36 03.417	-47 11 10 22		+0.0037		7.7	5	0.41	L	1		MSII	7	136144	V	1
4118	RV HYA	08 37 18.542	-09 24 32.87		-0.0002		7.7	4			1	1	M4E	4	119627	V.	1
4119	U VIR	12 48 33.491	+05 49 30 • 60		-0.0000		7.7	6				1	''		252081	V	1
4120	EF MUS	12 51 02.557	-69 45 55 03		+0.0006		7.7					1	M4	7	7859	V	1
4121	V UMI	13 37 46 654	+74 33 48 46		+0.0019		7.7	6				1	В9	7	181708	ηV	
4122	SS HYA	13 27 44.798	-23 23 31.30		+0.0002		7.71	5	8.510	ر ا			G5	6	238416	V-	1
4123	VY CAR	10 42 33.272	-57 18 08 35	•		-0.004	7.71					1	F8	1 4	238825	lv	
4124	ER CAR	11 07 32.017	-58 33 59 52			-0.017	7.72	4	8.400	Ί΄.		i	A3	4	241238	D	1
4125	N- 1 CEN	13 48 48 655	-52 33 45.85	•	-0.0058	-0.030	7.72	4	8.74	7		1	พัง	6	101638	V	
4126	ER AUR	23 02 44.865	-22 45 25 15	1		+0.005	7.72	5	0.74	1.		1	K5	4	198072	V	-1
4127	RY PUP	07 29 11.401	-34,52 38-97	'		+0.005	7.72	4	4. 6.	1		1	FR	1 6	224743	V	
4128	V 759 CEN	14 07 28.904	-47 31 59.90	1		-0.016	7.73			1			An	u	258465	1	ŀ
4129	A OCT	07 12 46.518	-88 41 00.92	2		+0.015	1	4	0 00	17	1	1	BOV	1 7	20332	V	
4130	KZ CEP	22 54 33.138	+62 36 04 • 68	3		+0.006	7.76	7	8.22	$\perp \Gamma'$			M3	1 6	179746	Ιý	ı
4131	RX CRT	1 11 15 18.465	I-21 52 19·22	2		-0.028	7.76	5	7 07	7			BOTII	7	23099	Ιv	1
4132	V 354 PER	02 12 17.719	+55 45 51.38	3		+0.001			7.93	1'	1.		F8	1 11	95794	וז	
4133	≥n B GEM	u6 29 22.716	+17 48 59.94	Н.		+0.033	7.78	4					B7V	1 "	67453	D o	- 1
4134	10 BET- 2 LYR	1 18 48 15.800	1+33 17 33 28	3		-0.004	7.78	4		11			F8	5	96134	v	
4135	AC HER	18 28 09.034	+21 49 53+11	L I		+0.000	7.8	5				1	พร	6	198923	V	-
4136	V1943 5GR	20 03 51 926	-27 22 09.20)		-0.063	7.8	6					MEE	111	126200	l v	1
4137	V AGR	20 44 17.727	+02 15 11.94	+		+0.001	7.8	4			100		N3	1 4	67087	Ιv	- 1
4138	T LYR	18 30 36.185	+36 57 38 8	≯		+0.010	7.8	14				1	A5+KOIII	7	16767	DV	1
4139	TW DRA	15 33 07.061	+64 04 22.49	∍		+0.020	7.8	5		T.				6	57915	l "v	-
4140	MZ AUR	ns 17 10.476	1+36 34 57 40	וו		+0.004	7.8	6		1			B2	6	58649	ľv	- 1
4141	CO AUR	05 57 07.452	+35 18 38 6) [-0.011	7.8	6					F5	1 O	13563	l v	
4142	S CAM	05 35 37.47	+68 46 18.9	+		-0.036	7.8	4	1	۔ا۔		1	R8 G5	6	57573	· v	٠ [
4143	RX AUR	04 57 55.452	+39 53 17.19	9 -		+0.009	7.8	6		0 J 7		1	1	6	148763	l v	-
4144	CW ERI	03 01 41.412	-17 55 56.9	1		-0.021	7.8	6				1	FO STIT	7	12383	יעמ	- [
4145	V 482 CAS	02 36 53.748	+61 04 06.3	6	+0.0015	+0.028	7.8	6		- 1	1	1	09.5111			ľv	
	FZ PER		+56 55 47.6		+0.001	+0.013	7.8	6			1	. [K5	6	23217	ľ	
4146				41	+0.0000	0.025	7.8	6					MB	6	130743	ľ	
4147	BR ERI		+62 04 19+6			+0.016	7.8	6				1			11802	ľ	-
4148	IM CAS		+53 45 43.4	3 l		+0.005		6			1	1	88	6	22364	l v	1
4149	IZ PER	00 00 25 10	-18 51 01.9	٦		2 -0.020		6	9.22	7			MSIII	7	147130	V	1
4150	AC CET	1 00 00 52413		-				1	1	- 1		-1	. I		1		_

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUABER	STAR TESIGNATION		DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V.		B II		N	SPECTRAL CLASS	١,	SAO.	baûa. clad	G
			-37 49 23·55	-0.0046	-0.003	7.8	7					10	•	213811	1,	
4151	T G∺U	22 28 40.358		+0.0040		7.8	ц		-				- 1	2.3804		1
4152	BET- 2 PSA	22 28 40.556	131 52 30.00	+0.0024		7.8	6					MATTIF	7	71513	٧,	
4153	A3 CYG	21 34 24.512	101 54 30 77	-0.0033		7.8	6					MU	-6	238447	.,∨	1
4154	60 CAR	10 43 53.190 12 59 13.446	-10 70 10 44	+0.0006		7.8	6		- '		ŀ	A3	4	157664	V	1.
4155	UY VIR	12 59 13.446	-19 30 19 44 -15 01 01 45	-0.0008		7.8	7.			1		v.C	6	203430	٧	1
4156	XZ CEN	12 21 33.478	35 21 23 43	-0.0024		7.8	4							176430	V	1
4157	R PYX	08 43 23.798	01 04 17	-0.0041		7.8	4					AO	4	221279	V	1
4158	S VEL	09 31 19.973	-44 59 10 64 I	-0.0016		7.8	6		1			MA	6	237711	٧	1
4159	CM VEL	10 05 41.390	-53 00 54.89	-0.0004			5		l		ł	MOITI	7	79067	V	1
4160	TW GEM	u7 04 17.604	1+22 35 15 40	-0.0004			5	8.030	7			F0	5	98035	V	1
4161	VZ CNC	08 38 09.536	+10 00 10 39	+0.0012			4					G5	. 11	109614		
4162	70 PSC	00 59 30.651	+07 40 17.23				4	8.01	7			A3P	7	56925	V	
4165	V 380 PER	03 59 51.752	+37 55 02.38	-0.0019	1+0.003	7.88	7	8.500	7	1		G5P	6	241219	V	
4164	V 381 CEN	13 47 22.494	-57 19 58 44	-0.0039		7.89	7	8.97	7	1		K2	6	237949	V	
4105	RY VEL	10 18 48.110	-55 04 08 79	+0.0007		7.9	6	0.31	i i			G0	6	27364	V	1
4166	W UMA	09 40 15.405	+56 10 56 26	+0.0030		7.9	7							250584	V	1
4167	IW CAR	09 25 42.951	-63 24 43.29	-0.0009		7.9	6		1			M711-111?	7	28471	V	П
4168	Y UMA	12 36 04-415	+56 07 14.83	-0.0003			6		1			NA	۴.	63280	V	1
4169	TT CVN	12 57 02.068	+38 05 14 • 10		-0.029	7.9	6		1.			МО	6	63409	V	
4170	S CVN	13 10 48.487	+37 38 29.78		-0.027	7.9		1	1			M7111	1 7	139236	V	
4171	SW VIR	13 11 29.747	-02 32 32 59		+0.004	7.9	6.		1	100		KO	4	118865	0	П
4172	83 B LEO	11 24 14.428	+03 16 43.06		+0.169	7.9	6	7.92	17		1 .	A2P	7	34915	V	1
4173	MX CEP	22 50 40.183	+58 32 25 27		+0.013	7.9	6	1.92	1			МВ	6	146043	V	
4174	DZ AQR	22 19 04.311	-07 51 38.35		-0.013	7.9	6	1			1	K5	6	72053	V-	1
4175	CX LAC	22 05 38.813	+39 51 43.96		+0.009	7.9		1			1	B9	7	39231	V	1
417p	IG PER	03 56 06.744	+48 00 36 80		+0.009	7.9	6		1			MZE	i i	56496	V	-
4177	R PER	03 26 51.747	+35 30 01.93		-0.008	7.9			1	Trans.	ļ	1.15-6		39636	V	ı
4178	YY PER	64 32 53.355	+44 52 36.08		-0.002	7.9	6		1			M.3	i 6	169405	V	-
4179	DH ERI	nu 21 38.850	-27 56 41.89		+0.041	7.9	6		1.			M3	6	149466	V	-
4180	BM ERI	14 11 06.901	-10 30 46.35		7-0-027	7.9	6		1			113	١٣	252908	y	-]
4181	AV CIR	14 46 09.329	-67 ₁ 7 27•57		0.019	7.9	6		1			M4E	4	29125	V	ı
4182	S 5υ0	14 21 12.394	+54 02 12•41		-0.031	7.9	4		1			GO	6	16635	by	-
4183	BW DRA	15 10 50 377	+62 02 48•55	-0.024	7 +0.088	7.9	6		1			B9	6	208558	V V	ı
4184	FV SCO	17 10 28.991	-32 47 42-14		9 -0 - 033	7.9	7		1		1		6	208593	l v	- 1
	V 727 SCO	17 12 14.939	-33 02 56 39	-0.002	1 -0.063	7.9	16				1	MA	7	142317	v	- 1
4185 4186	RZ SCT	18 23 48.968	-09 13 56 04	+0.000	3 -0.005	7.9	6	1	1			BSIP	6	50053	v	l
4187	CY CYG	20 45 08.223	+45 52 03-19		+0.005	7.9	6			1	1	PEC		210944	v	- 1
	V 525 SGR	19 04 02.445	-30 14 19.31	+0.0020	5 +0.041	7.9	7		۱.			A2	6	143063	٧.	
4188	V 496 AGL	10 05 38 589	-07 31 04.34	+0.000	3 -0 ⋅ 0 0 €	7.9	6		17			65	6	215545	ľv	ı
4189	AE PHE	01 30 29.024	-49 47 01.40	+0.016	9 -0.043	7.92	4		1.			60	"	229647	n	ŀ
4190	BET- 18 SGR	19 19 05.399	-44 33 10-21		6 -0•005	7.928			3 2	7.528	12	A3 A5P	1 7		''v	Ì
4191	VV SCL	01 13 47.545	-34 24 45•78		1 -0.022	7.93	4		۱_		1.			238178	v	- 1
4192	Y CAR	10 31 17.716	-58 14 25•44		1 -0.005	7.94	17	8.340	1 7			F5	6	98358		- 1
4193 4194	71 CNC	09 02 57.300	+17 35 27 11		B - 0•00 <u>7</u>	7.95	14		1_			A2 F6-G1	7		Ιv	- 1
4194	AW PER	nu 44 25.408	1 +36 38 04 • 58	+0.001	4 -0.007	7 • 95	5		7			1 -	4	19765	v	Į
		21 56 19-49	+60 46 46 43	-0.001	7 -0.008	7.96	7	8.86	7		1	GO	6	120910	ľ	- 1
4196			+00 33 17.46		4 -0.002	7.99	4		7		1	AOP	6	140398	l v	
4197		15 11 26-210	-01 42 02-44	-0.002	6 -0.009	8.0	4				1	M5E	4		ľv	ı
4198		15 18 31 171	-20 12 32.31		8 +0.011		4				1	M2E	4 7	183401 64273	lv	. [
4199 4200	S L18 RW B00		+31 47 06.62		2 +0.001		17		- I		1.0	M5	1 7	1 676/3	I *	

TABLE 5 CONTINUES
STAR DESIGNATIONS AND STAF DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISU:L MAG.	V N	BLUE MAG.	B N		U Ni	SPECTRAL CLASS	ע ע	5A0 C.T.ND.	STAP PPOP.	
			+22 50 02.01	-0.0014	-0.004	8.0	5					METTIE	7	77756	14	
4201	BQ OR		1 12 50 02-01	+0.0005		8.0	6					MC	. €	132754	171	1
4202	V 352 OH		-02 21 10.72	+0.0059		8.0	6	B. C				GNP	F.	39773	٧	1
4203	KS PE		+43 11 18.97	+0.0009		8.0	6		1 1			M6	6	149350	7	1
4204	V ER		15 51 39.31	+0.0003		8.0	5					53V	7	132302	u	1
4205	KX OR		7 -04 45 48.56	-0.0010		8 • 6	6	9.030	7			621n-k2	7	24302	V	1
4206	RX CA		+ +58 31 25 19	-0.0016		8.0	6			15.	1	M5	5	168619	1	١
4207	RZ Fo		2 -25 49 35.35	+0.0029		8.0	6	9.49	7			V5	۴.	167977	V.	1
4208	AT CE		2 -22 49 06.26	-0.0004		8.0	6			100		45711	7	130157	2017	١
4209	RR ER		6 -08 28 16 65	+0.0005		8.0	6	9.57	7	1 4 4		412	6	148319	V	1
4210	AS CE		3 -14 21 50 - 22	-0.0002		8.0	ĥ		1			NRE	7.	68698	٧	-
4211	TT CY	19 39 01.90	2 +32 30 02 21	+0.0001		8.6	6			7 . 4 .		Λn	6	113766	. ↓	١
4212	V 451 OP	1 18 26 52.93	8 +10 51 28.52		-0.003	8.	6					85	۴	2276*1.	V	-
4213	V 616 A	1 17 03 19.26	1 -46 56 13.24		-0.019	8.0	4	8. 19	7			F5	4	253430	٧	ı
4214	U Tr	16 02 51.18	3 -62 46 36 64			8.0	4					M6 [€]	41	tn1927	ν	- 1
4215	R HE	R 16 03 57.57	1 +18 30 14.37		-0.013	8.6	6		1			A2	- 6	51531	V	ı
4216	CM LA	C 21 58 03.55	9 +44 18 42.36		+0.034	8.0	6	8.160	7		1	A5	6	230806	ν	١
4217	RS GF	J 21 39 48•16	9 -48 25 06 49		-0.024		6	0.,00	1			мс	6	19401	V	-
4218	SW C	21 24 32.32	6 +62 21 24.91		+0.010	8.0	6	150		1 by		"		50296	۷.	1
4219	AZ CY	G∣⊅n 56 15•90	1 +46 16 20.95		-0.002	8.0	6				1	VB	6	2=0547	V	1
4220	AK I	21 05 49.62	3 -46 58 16.04		+0.009		6	S 10 10 10			1	F2	6	191138	V	
4221	T PS	A 22 23 20.81	8 -29 20 11.39		-0.019	8.0	4			1		MAE	4	191516	V	
4222	S A	R 22 54 25.87	1 -20 36 38.97		-0.040	8.0	6				A	F1	6	191236	V	1
4223	EE A	R 22 31 59.21	3 -20 07 05.53		+0.031	8.0	6	4.0	1					20141	, V	1
4224	XZ C	P 22 30 50.54	5 +66 53 33.88		-0.003	8.0	5		1			B6V	7	23321	V	
4225	DM P	R 02 22 25.95	9 +55 52 40+13		+0.004	8.0	6	1		100		K5	6	1204*	V	
4226	V 391 C	5 01 52 29.59	0 +69 57 34+28		+0.006	8.0	6				1	M2	6	22875	٧	.
4227	XX P	R 01 59 47.16	7 +54 59 32+35		+0.005		6				1.	K5	6	199204	V 1	
4228	U P	X 08 27 49.13	3 -30 09 25.85		+0.009	8.0	17					ÃÔ	6	236056	V	
4229	X C	R 08 30 11.60	1 -59 03 25.26		-0.012	8.0			1,			F2VII	7	80343	V	
4230	BQ C₁	C 08 37 34.16	3 +20 21 36.68		-0.014	8.0	6	8.30	11.		1	A5	6	98027	V	
4231	BN C	C 08 37 47.64	7 +19 24 24 21		-0.014	8.0	6				.1.	พิส	6	A0379	V	
4232	XX C	C 08 40 24.31	9 +20 46 51 97		2 -0 - 014	8.0	6		1			AO	i i	98075	V	
4233	5 C	C 08 41 04.90	1 +19 12 55.57		+0.003	8.0	6					A3	6	135333	V	
4234		N 07 56 50.19	2 -07 22 63.86		7 +0.001	8.0			1			κο	4	173973	V	
4235	Х Р	P 07 30 36.78	6 -20 48 03.32		+0.024	8.0	4				- 1	SE	4	79717	l v	
4236		M 07 46 18.12	7 +23 51 38.78		7 +0.007	8.0						M7E	4	155319	v	
4237		A no 33 06.92	3 -14 28 03.52		-0.056	8.0	4					MB	6	61508	V	
4238		1 09 25 29.78	12 +36 22 44.93		+0.010	8.0	6					N3	ŭ	80524	V :	
4239		C 08 53 48.91	2 +20 02 29.76		9 -0.007	8.0	14	1	1			M3	6	179892	v	
4240		A 11 23 51.77	6 -25 28 48.20		2 -0.023	8.0	6		1			M3	6	179035	l v	
4241		A 1 10 34 44.50	12 -23 37 59 16		7 -0.032	8.0	6			.1		B5	6	251606	l v	
4242		N 11 48 04.3	0 -60 30 56.20		5 -0.015	8.0	7		1-	1			6	138451	v	
		R 11 49 16.7	70 -05 29 00 - 24		7 -0.046	8.0	6		7		1	K2	1 -	82867	עפ	
4243		M 13 28 24.7	7 +24 29 25.35		6 -0.022	8.0	6		1.		1	65	6	158092	ν̈́ν	
4244		R 13 39 00.6	0 -18 53 02.93	-0.003	5 +0.005	8.0	6					M2	6	139350	ľv	
4245		R 13 25 13.0	34 -02 54 50 81	+0.000	5 -0.001	8.0	- 4			1	1	M3E	1 4	223741	Ιv	
4246		N 12 51 22.4	23 -43 36 39.45		1 -0.014	8.0	6		1			K0	6	79474	ľ	
4247			64 +24 36 37-75		4 -0.001	8.0	6		1		1	C1-C6.5			l v	
4248		M 07 28 52.6	7 +69 40 59 69		3 +0.022	8.0	6					An	7		l v	
4249		M 06 41 58.2	96 +27 59 22.38		4 -0.022		7	8.06	7			A0	6	76418	۷ .	
4250	RW T	10 04 00 49.5	10 TE 1 37 EE 100	1		1		1		1	_1_	1	<u> </u>			

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL WE SHITTEDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	1.000	۷,	BLUE MAG.	p.		IJ. N	SPECTRAL	, VI	SAN CATAHO.	STAR	[
			-24 48 47.93	+0.0021	-0.025	8.09	4					rn .		182735		
4251	3 L18	14 36 28.403	-36 47 34 27	-0.0014			7					F 5	6	108930	٠.,	1
4252	AT PUP		-58 37 13.96	-0.0020		8.1	и					116	4	237549	V V	1
4253	RR CAR	69 56 27.374 69 31 20.182	-45 17 33-97	-0.0021		8.1	4					MR	4	221290	v	1
4254	U VEL	09 10 56.303	-43 16 52-18	-0.0010		3.1	6.	100	1			A9	6	220955	v	
4255	GG VEL	09 10 30.303	-45 09 35.20	-0.0017		8.1	6	9.76	7	1		MA	6	221144	V	1
425 ₀	61 VEL	10 23 10 0 70	-49 09 46.52	-0.0017		8.1	5					R5	5	92522	D.	1
4257	S CEN	12 21 32 330	+12 18 15 80	+0.0009		8.1	4		١.			A7	4	166393	1 ''v	1
4258	100 B PSC	01 32 13.020	-25 09 11.15	+0.0009	+0.018	8.1	6	9.75	7	11.51	7	М3	6	73930	ν̈́	
4259	ZZ SCL	00 10 46 432	+26 43 10.31		+0.053	8 • 1	4		1		L	M3E	4		ľ	
426ú	T AND	00 05 56 349	-26 15 23.89		+0.008	8 • 1	6	9.68	17	11.28	7	МО	6	166074	Ιv̈́	ŀ
4261	YY SCL	1.7 10 50 564	+02 24 10.02		+0.041	8.1	6				1	G5	F .	20345	Ň	
4262	SZ PSC	23 10 50.564	+68 08 22 19		+0.012	8 • 1	6		1		1	P.A	6	34520	ĺν	
4263	GT CEP	22 33 33,123	+56 44 38 89	+0.0002	+0.011	8 • 1	6				١.,	MOIP	6	126329	Ιν	
4264	ST CEP	20 54 43.196	+04 53 13.37	+0.0004	-0.003	8.1	6					A0	1 5	204857	v	ı
4265	RT CEN	13 45 24.857	-36 36 50.02	+0.0020	-0.049	8.1	7		1			1105	4	164343	V	ı
4266		21 19 15.409	-15 22 21.67	+0.0001	-0.012	8.1	4			1.0		M2E	"	252577	Ιν	- [
4267	T CAP	13 59 46.603	-66 29 44.79	-0.0029	280.0-	8.1	6				l :	C3=9	7	59383	l v	Ţ
4268	VW GEM	n6 38 54.561	+31 30 13.51	-0.0009	-0.026	8.1	6		1			1	4	76192		1
4269	1	03 44 22.400	+23 57 46 99	+0.0016	-0.044	8.1	4		1			A0	6	40004	l v	4
4270		05 08 10.225	+42 06 18.86	+0.0013	+0.012	8•1	6		1		l	A3	6	149847	ľv	-
4271		04 41 24.006	-10 46 29.31	+0.0011	-0.006	8 • 1	6		1			A5 MA	6	194838	l v	-1
4272	RZ ERI DF ERI	uu 11 17.765	-36 40 16 30		+0.019	8.1	6					MD	6	208506	Ιv	
4273	AH 500	17 08 01.980		-0.0025	-0.037	8.1	7		1		1	MSE	7	658A5	v	- 1
4274	UW HER	17 12 38.996	+36 25 26.73		-0.009	8.1	6					F5	6	65401	v	-1
4275 4276	TZ HER	16 32 49.873	+38 05 52.93	-0.000	0.029	8.1	6					A5	6	46626	V	١.
	TX HER	17 17 01.642	+41 56 20 67		5 -0.007	8.1	6				1	M3	6	89156	V	- [
4277	FÎ VUL	20 46 38.309	1 +22 48 29 04		7 -0.013	8.1	6		1			MA	6	125953	V	١
4278 4279	CZ DEL	20 31 12.721	+09 20 42.38		0 +0.010		6		1		1	MC	6	49327	V	- 1
4280	AC CYG	2n 11 21.301	+49 17 55•84		8 +0.026	8.1	6				1	OR	1 6	69833	V	-1
	V 444 CYG	20 17 42.589	+38 34 24.38		7 +0.001	8.1	6	1	1			MC	6	49517	V	
4281 4282	V 405 CYG	פר 19 48.8 3 5	140 17 12.69		5 +0.011	8.1	6				•	MC MC	6	106153	V	
4283	RS DEL	20 26 51.231	+16 06 21.71		3 -0 - 0 0 7		6		1		1	AZ	6	229902	V	- 1
4284	HO TEL	19 48 21.623	5 -46 59 23 69		B -0.013		5		1		1	F5-64	1 7	187233	l v	ł
4285	V 350 SGR	18 42 19.087	7 -20 42 00.89		1 -0.012				1			MB V	6	18194	V	- [
4286	SZ DRA	19 09 51.998	3 +66 01 06•97		5 +0.015		6		١,	7.460	di	M3CE	li	173591	DV	- {
4287	VY CMA	07 20 54.603	5 - 25 40 11 • 90		6 +0.022		6		٠١٠	1 (* 700	1	м3	6	173257	V	- 1
4268	CO CMA	1 17 11 58 263	3 -26 01 20·77		9 +0.014		6					MB	6	68445	. V	1
4289	V1125 CYG	19 29 52.86	5 +31 45 35 97		3 -0.005		6					A	6	104708	V	
4290	V 889 AgL	19 16 34.38	1 +16 09 27 96		2 -0.004		4					AZ	4	162189	V	١
4291	V 805 AQL	1 19 03 31.10	7 -11 43 35.61		4 -0.025		6		1			B8	6	86497	V	- 1
4292	HS HER	18 48 45.93	2 +24 39 35.75		7 -0 • 019		6					MB	6		V	
4293		18 52 07.35	9 +10 34 07.35		4 -0.007		6					F0	6		V	- 1
4294		18 28 27.64	2 -18 17 55.95		6 -0.001		6				1			49467	1 1	1
4295		20 17 35.49	5 +40 43 48 43		5 +0.022		6				1	82	6		V V	- 1
4296		20 01 50.10	6 +36 17 01.10		1 -0.003		6		1			G5	6		V	
4297		19 49 35.21	2 -11 29 46.22		3 +0.021		16				1	1		166356	٧	
4298		20 37 16.47	7 +14 15 05-74		2 -0.028		6			1	1	Gn	6		V	İ
4299		20 07 00.49	9 +43 54 47.77		2 -0.010		6					OA	6	69584	V	
4300			5 +36 02 48 80	-0.000	0 -0.009	1 0.5	1°				. 1			1	ــــــــــــــــــــــــــــــــــــــ	كبير

TABLE 5 CONTINUED STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

UMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION F DEG MN SEC N	P N	RA PM	DEC PM	VISUAL MAG.	2.4	BLIE MAG.	B N	UV M1G•	N.	SPECTRAL CLISS	ر 11	5A0 C1T.110.	STAR	1
4301	NO HER	16 09 22.063	+18 18 40.98	\exists	+0.0015	-0.012	8•2	6					An	5	103465 218865	A.	
	V 499 Sc0	17 25 45 613	-32 57 54.90	- 1	+0.0002	-0.021	8.2	6					25	6		v	1
4302		17 31 08-431	-32 28 17.53	- 1	-0.0004	-0.012	8.2	7		ľ		. [B5	· 6	208972	ر ا	ı
4303		17 31 00.431	+09 36 27.89		-0.0004		8.2	.4.						1.0	122525		1
+304	-F- 1 OPH	17 32 13:010	-06 50 27 71		+0.0004		8.2	6					KO	6	142447	٧	1
4305	EW SCT	18 35 09.418	-06 50 27.71	- 1	+0.0017		8.2	6			1		G3-K6	7	161257	V	1
4306	wz 5gR	18 14 02.894	-19 05 41.16	- 1			8.2	6					A0	- 6	142311	ν V ,	-1
4307	EG SCA	18 23 26.492	-01 42 38.90	. ;	+0.0004			6				i	MB	6	123489	V	ı
4308	V 988 OPH	18 24 23.520	+03 52 56 95	- 1	-0.0003		8•2						MΛ	6	46239	V	1
4309	V 449 HER	16 41 16,464	+48 29 58 02		+0.0000		8.2	6					M3III	7	13165	V	1
4310	RY CAM	nu 26 U7.748	+64 20 01.28		+0.0010		8.2	6			1		M5	6	24656	V	1
4311	RV CAM	04 26 31.896	+57 18 12 68		-0.0001	+0.001	8•2	6		1			MD MD	6	40175	. V.	١
4312	UX AUR	05 12 07.350	+49 29 27.77		-0.0010	-0.012	8.2	6				1			168815	υν	Į
	5 FOR	03 44 64.598	-24 32 45.66		+0.0007	+0.004	8.2	6	17.5		1		FB	6		ľv	1
4313		03 20 54 634	-03 28 52.48		-0.0030	-0.033	8.2	6					A0	6	1 30554		
4314	AS ERI	00 21 04 363	+65 30 59.47		+0.0034		8 • 2	6					B8	6	12431	V	
4315	TW CAS	02 41 44.362	. E 6 37 EV		-0.0042		8.2	4		ı	Section 1		M7	4	23647	V	ı
4316	₩ PER		+56 46 37.54		-0.0015		8.2	6	8.20	17			BITTIPE	7	23124	V	- 1
4317	V 358 PER		+56 32 19.17		+0.0008		8.2	6		1			B3	6	77668	, V	
4318	V 593 TAU	05 49 59.183	+26 26 06 90					5		1			AO	7	13507	V	
4319	AS CAM	05 24 16.486	+69 27 23 03		+0.0001		8.2	5	8.430	7	1	1	82	7	58059	V	
4320	IU AUR	05 24 32.813	+34 44 30 • 99		+0.0007		8.2		0.450	Ι'			MB	6	139753	· v	
4321	ES VIR	14 05 58.503	-08 37 31 27		-0.0013		8.2	6					F5	5	83315	l v	
4322	UV BoC		+25 46 3B • 05		-0.0040		8.2	5						6	72968	l v	
4323	CF AND		+37 35 03 05		+0.0015	-0.002	8.2	6	1	1			MC		10449	Ů v	
	GO CEP		+75 23 47.32		+0.0114		8.2	6			1		AOP	6	109789	v	
4324			+08 40 04.87		-0.0014	-0.010	8 • 2	4	1		1	1	M7E	1 4		v	- 1
4325		1	+56 04 00 • 68	1.	+0.0008		8.2	6		1		ı	И2	6	22182		
4326	AA CAS		2 -05 45 28.53		-0.0002		8.2	4		1		1 .	M6E	4	138666	V	
4327	T VIF	12 12 02.37	-25 07 28.59		-0.0025		8.2	6		1					181760	٧	
4328	RW HY≱		1 2 0 0 2 2 2 2 3		+0.0014		8.2	6		1			MAP	6	119734	V	
4329	RT VIF	13 00 05.70	+05 27 15.23	ļ	-0.0043		8.2	6		1		1	MC	6	119433	V	
4330	BK VIE	12 27 48.07	404 41 34.48					6	1	ı		1	М3	6	156937	V.	
4331	RU CR1	11 48 33.33	-10 55 46.68	i	-0.0008		8.2	6	1	100			M3	1 6	178386	l v	
4332	HW HY	10 02 58.70	5 -21 06 41.97		-0.0015		8.2						МА	6	98266	٧.	
4333	HT CNO	08 55 33.06	3 +11 02 23.22	1	-0.0004		8 • 2	6	1	1			DG3	1 ~	153413	l n	
4334	5 B Puf	n7 45 36.12	3 -1 2 04 05•88		-0.0098		8.2	4	1	1			4.77	1	253062	Ϋ́ν	
4335	X TR		3 -69 53 34.63		+0.0017	-0.011	8.2	I _	1		1		NB	7	170854	ľv	
4336	RŶ LEF		-20 02 22.25	ı	-0.0004	+0.040	8.23	5	1	. l_		1_	F0		215498	Ιν	
	AL PH		2 -46 11 11.96		+0.0021	-0.034	8 • 28	4	9.79	7		17	MB	6		v	
4337			6 +56 45 20 14	1	-0.0018	+0.016	8.3	6	8.44	7			BIIII	7	22971	ľv	
4338	V 351 PE		+ +12 00 24.53	1	+0.0028		8.3	5			1	1	NB	5	92853	1	
4339	V AR		4 -12 27 52 16	1	+0.0009		8.3	6	9.83	7	1	1	M3	6	147564	l V	
4340	AK CE		1 150 27 10 00	1	+0.0002		8.3	6					M2	6	21786	V	
4341	V 451 CA		0 +59 27 14.92	1	+0.0002		8.3	6	1		1	1	M6	7	53416	l v	
4342	TZ AN		6 +47 13 47.51		-0.0005		8.3	6	8.600	17		1	F2	6	21398	V	
4343	TU CA!	00 23 36.67	8 +51 00 13.47	1			8.3	6		1	1	1	1	1	72857	V .	
4344	SX LA	22 53 39.39	0 +34 55 42.43		-0.0007		8.3	14		1		1	MSE	4	52298	V	
4345	R LA	22 41 02.05	4 +42 06 25.04		-0.0019			7		1	1		A2	6	241215	V	
4346	SZ CE	4 13 47 11.75	1 -58 15 05.22	1	-0.0020		8.3			1		1	MAE	1 4	79635	V	
4347	S GE	4 07 40 02.57	8 +23 34 08 63	1		-0.003	8.3	4	1 .		1	1	MB	6	155810	ĺ v	
4348	RT SE	k in 09 50•95	4 -10 04 25-97	1	-0.0019		8.3	6			1				155964	v	
	HS HY		0 -18 50 18.55	1	-0.0032	-0.041	8.3	6			100	1	F5	6		l v	
4349		10 42 26 85	5 -81 46 25.97	1		-0.048	8.3	6		1		ļ	F5	6	258590	Ι ,	
4350	I RZ CH	2 1 TO 45 50.00	~ ~ ~ ~ ~ ~ ~ ~	•			. 1		i i	- 1	I		•				_

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATIO)N	RT. A	SCEN. SEC	DECLIN		P N	RA PM	DEC PM	1 - 2 - 0	N	BLUE MAG.	B N	UV MAG.	N N	SPECTRAL CLASS	S. N	CAT-10.	PROP.	7
NUMBER		*		17.057	. 76 12	14		-0.0048	+0.023	8.3	6					F8	F	433A2	V V	1
4351	K5	CVN	13 08	17.856	+20 TE	01.17		+0.0002		8.30	7	8.860	7		1 1	F5	6	240150 77356	v	1 1
4352	AG		12 38	32.500	-59 31	11.40		-0.0032		8.3	6				1 1	65	6	25893	v	1 1
4353	нн	AUR	u5 36	17.907	1+29 40	24.00		+0.0011		8.3	6		l		1 1	Mo	6	95589	v	1 1
4354	SU	LYN	06 38	45.743	+55 51	24.07	. 1	-0.0015		8.3	6	9.1	7		1	FO_	- 6		v	1 /
4355	R5	ORI	06 19	21.995	1+14 42	12.00	'	+0.0019		8.3	6		1			MSE	7	64256	ı v	1 1
4356	RV	BU0	14 37	09.314	+32 45	15.25	? [+0.0000		8.3	6					M1	6	158504	v v	1 1
4357	EZ	VIR	14 18	17.315	-18 45	49.40	?	-0.0010		8.3	6					В9	6	132288	1	
4358	V 372	ORI	05 32	19.696	-05 36	10.68	!			8.3	6					MA	6	40163	v	1
4359	υZ	AUR	05 11	41.044	+40 04	35.15	2	-0.0013		8.3	4		1.		1		1	248985	D .	
4360	THE- 1	RET	04 17	06.086	-63 22				-0.006	8.3	6				1		1	65366	V	
4361	GN	HER	16.30	12.553	+38 57	48.65	5		-0.002		4		1]			1	159991	V	
4362	Š	OpH	16 31	22.388	-17 o ³	26.5	7		-0.003	8.3	6			100		М7	7	64995	V.	1
	RS	CRB	15.56	39.081	1+36 os	9 48•48	3		-0.017	8 • 3			1		1	M1	6	31048	[V]	1
4363	BY	DRA	18 32	44.726	+51 41	00.56	5		-0.311	8.3	6	0.12	7			F8P	6	142552	V	
4364	55	ScT	10 41	U0.748	-07 46	56.3	7		-0.006	8.3	6	9.12	Τ΄.			M2	16	185610	V	
4365		OpH	17 37	44.233	-27 2	2 13.8	9	-0.0029	-0.009	8.3	6		1			NB	4	244964	ייס	1
4366	V 551		17 30	59.828	-57 u	05.2	2	+0.0000	-0.049	8.3	4					K2	6	185724	V	
4367	<u> </u>	PAV	17 55	18.802	-26 1	55.0	5	+0.0004	-0.017	8.3	6					MUE	1	106456	V.	
4368	V 777	SGR	1/ 73	02.041	116 1	58.2	2	-0.0008	+0.020	8.3	4			1	1.		6	70279	Ιv	1 .
4369	T	DEL	20 43	23.139	135	5 39 4	5		-0.007	8.3	6		1			A0	6	69410	v	
4370	60	CYG	20 33	16.695	135	20.4	7		+0.005	8 • 3	6		-		1	B3	٥	69422	l v	1
4371	V 448	CYG	20 04	42.139	135 1	5 U.S. O	اء		+0.014	8.3	6	1					1	86544	ĺν	
4372	V 453	CYG	20 04	42.10	1733 3	2 53.4	7		7 -0.011	8.3	6				.	A2	6	-	ľ	- [
4373	DI	HER	18 51	21.755	1724 1	1 41 0	6		+0.024	8.3	16	8.65	7	8.44	7	B6111E	7		l v	1
4374	V3508	SGR	18 28	27.371	1-19 1	1 41.00	١		-0.001	8.3	6					Kn	6	152649	v	1
4375	RY	CMA	07:14	16.714	1-11 5	3 50.0	2		-0.008	8.34	4		1	1	1	K5	4	23183	ľ	
4376	T	PER	02 15	45.586	+36 4	3 53.5	-		+0.015	8.4	16	1.	1			F0	6		v	1.
4377	TV	CET	03 12	00.317	+02 3	4 09 0			7 +0.038	8.4	6		1		Į.	G5	6	148600		1
4378	CU	ERI	U2 44	34.929) -13 3	3 00.2	41		+0.005	8.4	6				1	MB	6		٧	
4379	W	TRI	02 38	27.43	3 +34 1	8 10.0	9				6		17	8.88		A9V	7		l v	ŀ
4380	V 534	TAU	03 44	04.10	+ +24 3	9 59•3	0		3 -0.034	8.4	6				-1			39783	V	1
4381	SV	PER	04 46	16.52) +42 1	2 13.9	3		5 +0.011	. 1	6		-1		1	M2	6		1 V	- 1
4382	DE	ERI	I nu na	52.52	7 -20 1	0 48 1	81		1 +0.002	1 -	6				1	G5	- 6	149449	V	1
4383	YY	ERI	04 09	46.52	5 -10 3	5 43.5	8		7 -0-122		6		1		1	G 5	6	94837	V	1
	EU	TAU	05 43	2 44.28	5 +18 3	8 15 • 6	0		1 -0.014		16					MC	6	40721	V	
4384	TW	AUR	05.5	25.06	3 +45 3	0 13.6	1		0 -0.035				ŀ			85	16	132446	V	
4385	V 901	ORI	05 3	8 24.34	3 -01 3	1 54 . 9	11		9 +0.002		6			1		MB	1 6	40.4	į v	ŀ
4386		TAU	05 0	B 10.41	2 +18 3	1 26.4	16	-0.000	6 -0.028	8.4	6		- 1		- 1	A	6		V	1
4387	DV		20 1	B 06.37	7 +33 4	7 03.9	94	+0.001	9 +0.023	8.4	6					Ĝ5	e	مشته ا	l v	4
4388	MY	CYG	20 1	9 23.85	A 488 F	6 21.5	52	+0.304	6 +0 - 115	8 • 4	6			100		NP	ì		V	
4389	R	CEP	120 0	2 36.64	5 +36	0 26 2	28	-0.001	0 -0.010	8 • 4	16		1			M5	- 1 `	106422	עמי	
4390	AA	CYG	20 0	0 46.59	1 +16	4 27	18	+0.001	5 +0.032	8.4	4				٦	MOVE	١.			
4391	S	DEL		2 03.75	6 -31	1 05-2	28	+0.021	2 -0.348	8 4	. €			7 10.79	7	4				
4392	AU	MIC	20 4	2 52.99	7 418	6 37-4	87		8 +0.018			5				MA	'	105807		
4393	KP	DEL	20 4	9 19.37	7 115	DA 13-4	7		3 -0.020			4				1	l. e			
4394	S	AGL		4 TA.31	4 -16	00 53-	اء		8 -0.020		. 1	5	- 1		-1	M4	١,	46973	1	1
4395	AE_	CAP	20 1	6 07.50 7 21.81	5 145	12 52-1	531		0 -0.019		. 6	5				1	- II.			
4396	V 337	HER	17 4	1 51.01	5 745	- JC.	36		4 -0.01		- 10	5			- 1	KO	1.6			- 1
4397	V 463	HER		9 19,13	3 T.D	-0 E0 1	23		1 -0.002		10	5	.].				1	253891		
4398	DW	APS	17 1	8 14,14	5 -67	5K 5Km	22		2 +0.00		- 10	6		1 1 2 2 3				102266		ì
4399	TY	HER	16 3	3 52.78	2 +13	24 47•	27		21 -0.05			6	- 1	1				63576	V	- 1
4400	VY	CVN		8 29.97	1 +38	01 58•	4 U	70.002	1-0.02	' "				1						

TABLE 5 CONTINUED

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P.	RA PV	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	MAG.	U N	SPECTRAL CLASS	N N	5A1 C.T.NO.	STAP PROP.	
4401	CN VIR	12 56 17.078	+08 28 46.77	Г	+0.0004	-n.016	8•4	6			1.		40	, K	119690	A i	
4402	Z UMA	11 53 54 196	+58 08 59.27		-0.0038	-0.019	8+4	4		1	100		M6F	Li Li	28104	V	ı
4403	TW CNC		+12 37 24.59		-0.0003	-0.011	8.4	5	1	1			G5	6	97854	V	ı
4404	RT HYA		-06 p9 00.57		+0.0022	-0.031	8 - 4	6					M6E-M7	7	135976	V	L
4405	U CNC		+19 04 10 • 11		+0.0007	+0.001	8.4	4			111		M2E	4	97942	, A	1
4406	V1059 CYG		+42 14 31.86		+0.0045	+0.004	8 • 4	6					MA	6	50419	l v	1
4407	DV AND		+38 06 24.21		+0.0026		8.4	6		1					72979	٧	L
4408	T PEG		+12 17 41.85		-0.0021		8.4	4			1.00		M6E	4	107690		ı
4409	YZ ScL		-35 59 43.72		+0.0029		8.4	6	9.96	7	11.34	7.	MA	- 6	192550	V	١
4410	BZ AND		+45 19 45 10		-0.0010		8.4	6					МД	6	36522	V	ı
4411	WY AND		+47 19 05.91		-0.0014		8.4	6		1					53278	- 7	١
4412	EO PEG		+10 19 34.46		+0.0024		8.4	6		1			itg.	6	108506	V	1
4413	V 487 CAS		+63 30 22.84	1	-0.0034		8.4	6	9.93	17		1	GNIAR	7	11581	V	1
4414	TT PER		+53 29 43.31	٠.	+0.0018		8.4	5				l	M5	6	22663	l v	ı
4415	X MON	06 54 48.331			-0.0023		8.4	6					GM3E-M4	7	133942	V	1
4416	V 482 Sc0		-33 34 19.91		-0.0022		8.45	۱ ۲	9.27	7			F5	6	208899	l v	ļ
_	· · · · · · · · · · · · · · · · · · ·		+26 25 16.31		+0.0008		8.46	7	9.73	7			K2	5	879P0	V	İ
4417			+54 39 50 79		-0.0004		8.5	6	***	1			An	6	32137	V	ı
4418			+31 49 39 65		+0.0003		8.5	6					AO	6	69381	v	ı
4419			-19 14 13.43		-0.0013		8.5	6			1	1	G5	6	163801	l v	ı
4420	S CAP		+26 35 53.51	l	+0.0015		8.5	6	3.4	1		l -	B8	6	88380	Ιv	ı
4421	DR VuL		+10 42 30 19		-0.0001		8.5	6	7.			l	AO	- 6	104094	ĺ v	1
4422	KO AGL UX SGR		-16 35 22 66		+0.0008		8.5	6				1	43	6	161972	l v	ı
4423 4424	UX SGR AQ SGR		-16 29 02 23	1	-0.0009		8.5	6					NB	6	162777	V	1
4425	the state of the s		+12 10 41 10		-0.0008		8.5	6		1			MB	6	104407	Ιν	١
		19 01 34.064			-0.0015		8.5	6		1		1	B3	6	142979	l v	١
4426 4427	V 337 AGL V 537 ARA		-54 41 10.73	١.	-0.0019		8.5	6				100	88	6	245031	l v	ı
4428	AM CRA		-37 31 56 68		+0.0008		8.5	6	1	1		j .	MP	6	210455	v	١
		18 39 43.997			-0.0008		8.5	6			100		K5	6	123824	ν	١
4429			+11 47 10.68	١.	+0.0008		8.5	6		1	i .	١.		٠,	103274	ľ v	I
4430			+38 04 04 89	l	-0.0024		8.5	6		1				141.4	65424	v	1
4431	UU HER IOT- 1C NOR		-57 38 13.89		-0.0171		8.5	4				l			2,3278	n	١
4432 4433	V 718 Sc0		-22 21 28 89	l	-0.0011		8.5	6			1		A2	6	184232	l v	1
4434			+13 33 23.84		-0.0009		8.5	6	9.2	17	1		60	6	94828	ν	1
	T 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		+30 36 53.42		+0.0012		8.5	6	1.2	Ι΄.		ı	NA	. 6	58449	ĺ v	1
4435 4436			+20 36 05 65	11	-0.0005		8.5	6	9.11	7	8.82	7	B2IBP	7	78223	V	1
			+45 39 50 99		-0.0011		8.5	5	7,12	1	0.02		MB	5	41193	l v	1
4437	TU AUR FO LUP		-37 00 42.72	1	+0.0021		8.5	6		1		1	MB	6	206905	ů.	ı
4438				l	+0.0004		8.5	4		1	A 19	l .	MAE	4	94173	ĺ v	ı
4439	V TAU		+17 27 18.75		-0.0004		8.5	6		1			MA	6	39354	Ιv	I
4440	SW PER		+42 04 50 02	1	-0.0018		8.5	6	1 .	1			MA	6	233439	Ιv	1
4441	WW DOR			1	-0.0000		8.5	6		1	1	1	B5	6	57690	l v	1
4442	TT AUR		+39 31 25 18		+0.0008		8.5	6	1000	1		1	MA	6	13391	ľ	1
4443	UX CAM		+68 36 28 97	1		and the second second	8.5	6		1	1	1	F2	6	149215	ľ	١
4444	BV ERI		-10 40 39.04	1	+0.0017		8.5	6	8.99	7		1	F311-111	7	111492	DV	١
4445	V 479 TAU		+05 01 42.86	1			8.5	6	0.57	1			BR	6	23874	ľv	ı
4446	V 368 CAS		+59 43 55 83	1	-0.0006	1 1 1 1 1 1 1	_			1	1		B9	- 1	38304	ľů	I
4447	RY PER		+47 56 01.03	1	+0.0000		8.5	6	1				7	- 6	193927	ח	١
4448	UPS- 2 FOR		-37 36 35-51	1	+0.0073		8.5	4			1			ا ا	23257	l 'v	1
4449	RS PER		+56 52 55 18	1	+0.0012		8.5	6	0 -11	1-			M4	6	23116	ľ	ļ
4450	V 356 PER	02 13 26.656	+56 53 56 10	1	-0.0011	-0.004	8.5	6	8.74	7	1		BIIII	'	52110	, v	1

STAR DESIGNATIONS AND STAR DATA CROERED BY VISUAL MAGNITHOR

	STAR DESIGNATION	Τ.	RT. ASCEN		P N	RA PM	DEC PM	VISUAL MAG.	T	BLUE MAG.	B	YV MAG.	N. N	SPFCTRAL CLASS	F.	5A0 CAT.NO.	STAP PROP.	G:
NUMBER	DESIGNATION				+	0.000	-0.023	8.1	б	9.98	7			мс	6	129519	V	
4451	AQ CE	T C	01 47 23.4	8 -05 06 25 1	2	+0.0000	1	8.5	6					GU	6	215389	V	į.
4452	AI PH	E (01 07 20.8	3 -46 31 54.76		-0.0012		8.5	6				1	1B	6	53036	V	1
4453	EW AN		23 24 35.1	2 +49 14 28 2		+0.0005		8.5	6	100	1	1 1 1 1 1 1		MA	۴	11294	٧	
4454	V 446 CA		00 33 19.3	6 +62 24 41.1		-0.0007		8.5	6	10.03	7	11.48	7	MA	۴	215026	ν	1
4455	AF PH		00 13 38.8	0 -48 50 00.9	2	+0.0019		8.5	6					3	l .	53474	٧	1
4456	GL AN		23 52 25.6	0 +45 06 54.7		+0.0007		8.5	6		1		١.	M7	7	53480	V	1
4457	RS AN		23 52 49.8	6 +48 21 36 4	2	-0.0015		8.5	6		1			A0 -	6	127380	٧	1
4458	AT PE	G	22 10 54.2	2 +08 10 38 5			-0.022	8.5	4					M3E	11	191030	V	1
4459	R PS	Α	22 15 09.8	69 -29 51 17.3 1 +55 52 30.0	5	-0.0006		8.5	6		1			W5	6	34301	V	
4460	GP CE		22 16 54.5	75 -25 51 58.9	5	+0.0027		8.5	6	10.04	7	11.48	7	MAIII	7	191666	l v	1
4461	AF 50		23 04 43.2	06 -44 06 08.4	3		-0.023	8.5	6	1	1			F5	6	231251	V	1
4462	W G	₹Ų]	22 38 22 0	38 -16 37 26.4			-0.025	8.5	6		٠	1	1	M6	6	164150	1	1
4463			21 04 21.9	55 -36 22 33.1	4		-0.072	8.5	6	1	1	1	1	G5	6	204919	V	1
4404			13 40 3743	30 -57 28 02.4	6		-0.005	8.5	7				1	MB	6	241324	l V	
4465		N	22 24 02*4	79 +35 06 17.4	3		-0.002	8.5	6			1		MC	1 6	72019	V.	4
4466			22 03 30 0	09 -46 09 37-1	ادَ		-0.003	8.5	4	9.24	7		1	G5	4	220388	V	1
4467			08 43 15.4	95 +31 58 21.7	3		-0.005	8.5	6	9.680	1 7	1	1 .	Κn	ا ا	60954	٦	
4468		AC	10 14 30 0	99 -62 45 36.4	9		-0.003	8.5	4					1	١.	250165	l v	. [-
4469			00 15 20-0	55 -22 46 00.1	8		-0.022	8.5	6				1	N3	F	175215	v	1
4470		UP	10 17 46.5	31 -57 09 12.7	٥١		-0.013	8.5	7					52	6	62013	ľv	1
4471		AR MI	10 20 39 3	86 +30 06 09.4	3		-0.010	8 • 5	6		1		1.			251619	l v	1
4472			11 49 59 8	12 -61 14 45.1	1	+0.0019	+0.011	8+5	7	1				Bn	6	138457	v	1
4473 4474		RT	11 50 11.6	74 -07 19 06.0	2		+0.007	8 • 5	6		1	1		MC MB	6	99874	v	
4474			11 53 38.2	03 +16 00 28+0	2		-0.039	8.5	6		1	1		B8	6	251477	ν	1
4476		EN	11 33 56.6	31 -61 11 24.2	9		2 +0.016	8.5	7	1	1		1	60	6	118649	v	1.
4477		Fol	11 02 29.4	17 +05 25 21.5	3	+0.0036	-0.068	8.5	6		1	100	1	MR	1 6	137985	l v	
4478		5T	11 03 27 . 1	65 -08 53 03•3	10		-0.026	8.5	6				1	38	6	238458	V	1
4479	The state of the s	FL	10 44 17.2	65 -56 33 56•0	9		+ +0.012	8.5	17		١.			K5	6	251832	V	1
4480		RU	12 15 02.4	50 - 63 20 18•1	.3		5 -0.057	8.5	17		1		1	MB	6		V	Į.
4481		ON	06 49 18.3	12 +04 49 31.9	73		9 -0.022	8.5	6					MA	1 6		V	1
4482		ON	06 44 35.9	55 +01 35 05 0	8		0 -0.014	8•6	6				1 -	BP	6	1	V	1
4483		AN	n7 01 22.5	66 -11 28 35.9	11		+ +0.021	8.6	6		1			FO	6	7	·V.	1
4484		RV	12 35 03.	24 -19 18 10 6	1		3 +0.016	8.6	6			1	1	M2	6	28265	V	
4485	2000	MA	12 07 05.2	93 +58 39 43•5	53		3 -0.013	8.6				1	. 1	A3	6	181919	V	1
4486		YΑ	13 41 49.	22 -26 31 45.4	13		2 -0.021	8.6	6			-	1	M4	6	156650	٧	
4487		RT	11 21 23.	15 -19 37 59.9	93		2 -0.017	8.6	7					BB	6	251415	V	1
4488		EN	11 25 46.	72 -61 08 08 ·	31		8 +0.003	8.6	4	4	1			M3E	4	258577	V	
4489		CT	10 28 01.	29 -84 05 32.	54		7 +0 • 029	8.6	16					F2	6	200776	V	1
4490	XX A	NT	09 47 19.	70 -38 06 56	79		7 +0.032	8.6	6		- 17			F8	6	219549	V	i
4491		EL	08 09 17.	94 -47 32 56.4	+6		8 +0•015 6 +0•002	8.6	6		- ['		-	F5	6		V	
4492		MI	08 04 02.	55 +02 04 26.	74		6 +0.003	8.6	6		1			M2	6		V	
4493		UP	08 05 30.	71 -20 32 15.	((9 -0.008	8.6	6					An	6	71992	y	
4494		EG	22 01 57.	34 +35 31 00 •	5 T		2 -0.004	8.6	6					MB	6		V	ì
4495		QU	21 15 49.	44 +07 32 58	25		9 -0.012	8.6	6		- {		. 1	MR	6		V	
4496		YG	21 00 13.	95 +34 34 41	23		2 -0.039	8.6	7		- 1	1		M4E	6		V	-
4497		AP	21 07 50	36 -16 22 41	D L		1 -0.013	_	6			.		KO	6		V	- 1
4498		QU		95 +08 47 08	76		1 +0.003	8.6	- 6		1			W5	6		V	- 1
4499		EP	22 34 56.	77 +56 38 45			6 -0.001		16		1		- 1	B2	6	34810	V.,	.
4500	DH C	EP	22 44 54.	250 +57 49 13.	7 4	10.000	~	-	- 1	1	- [<u>_</u>

TIBLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	1 4 2 3 0 1 2 1	И		B N	MAG.	N	SPECTRAL CLASS	м 5	^ T.NO.	, 40ad	-
NO, NOER		22 19 20 427	445 23 51.62	+0.0007	+0.017		6				1 1	MR M0	6	00231	ı,	
4501	FW LAC	22 04 20.724	128 58 18-50	+0.0002	-0.003	,	6	. 11				VD.	E	107813	. V	1
4502	AZ PEG	22 04 20 124	+13 21 27.53	+0.0004	-0.023	1	6		1					107496	l l	1
4503	TX PEG	22 15 51 441	110 21 27 50	+0.0002	-0.010	8.6	6	1.11			1	65	.6	21446	. N	1
4504	DF PEG	21 52 18 683	+14 19 15 69	-0.0008	+0.011	8.6	6	9.640			I_	65	6	102633		
4505	DL CAS	00 27 10.3/4	+59 56 09-16	-0.0002		8.6	6.	10.19	7	11.88	1/ /	WR		20743	lv	1
4506	AA SCL	00 34 01-187	-30 36 31.73	-0.0055	+0.018	8.6 l	6]		1	Α	6	147633	v	1
4507	XX CEP	23 36 00.130	+64 03 26.73	-0.0003	-0.001	8.6	6	10.19	17 -			M1	16	23234	l v	1
450h	AL CET	01 06 11.103	-17 19 47.64	-0.0002		8.6	5		1		1	K5I5E-12I			Ì v	
4509	PR PER	02 18 07.954	+57 38 05.56			8.6	6		1		1	A2	6	75082	l v	1
4510	X TRI	1 01 57 42.353	1+27 38 50 • 29 1	-0.0000	-0.006	8.6	6		1		1	M2	6	148198	v	1
	UZ CET	02 03 33.225	-10 27 02·20	+0.0001	-0.005	8.6	6		1	1		FB	6	37207	ĺv	-
4511	CD AND	01 23 30.959	+44 05 51.37	+0.0024	-0.001	8.6	6					G5	6	38651		
4512		1 03 09 53.306	1+47 55 23 23 1	+0.0065	-0.063	1	6	1	1	1	1	M3	6	167998	V	1
4513		1 02 40 45.301	I-26 19 50 · 70	+0.0012	-0.032	8.6		100	1		1	An	7	110887	V	
4514	x For		+03 19 09.34	-0.0003	-0.004	8.6	6.	1	1		1	GŠ	6	156651	V	
4515	XY CET		-00 00 06.36		0.013	8.6	6						1	38115	V	
4516	RS CET		+45 26 06.36	-0.0029	-0.001	8.6	6		1		1	SA	6	12388	V -	
4517	UX AND		+60 20 22.97	+0.002	5 -0.0n7	8.6	6		1-			K2	6	24282	٧.	
4518	DO CAS		+58 30 22 13	-0.001	3 -0.001	8 • 6	6	9.780	7		1	Νc	1 6	130773	V	1.
4519	RW CAM		-01 31 13.81	-0.001	1-0.012	8.6	6		1			F5	1 6	77299	V	1
4520	SU ERI	1 77 47/	+24 43 03.68	+0.000	5 -0.028	8.6	6		1		1	1 "		258392	У	
4521	CQ TAU		84 53 50 59	-0.015	3 -0 - 034	8.6	6		. _				1	40115	V	1
4522	UZ OCT		1.02 % 20.96		0 -0.013	8.6	6	9.520	1 7			1	6	- 1.0	V	- 1
4523	SY AUR	05 09 05.02	+42 46 20 96		5 -0.005	8.6	6		.1		ì	N3	6		V	- 1
4524	EL AUF	04 59 30.60	+ +50 33 44 - 59	+0.003	6 -0.025	8.6	6				-10	A0	6	194779	Ιv	
4525	BF AUF	05 01 33.02	2 +41 13 13.62		9 +0.000	8.6	6		4	1		M.A.			D	1
4526	CZ ERI	04 05 38.60	3 -39 37 51.87		2 +0.105	3.6	4				1	65	4	63872	v	
4527	PI - 2 UM	1 15 30 13.13	5 +80 37 02.33		9 -0.027	1 1 1 1	6		1:		- 1		1 _	1 ''	lů	-
4526	RW CVI	1 13 57 24.78	7 +37 26 22.34	+0.001	4 -0.061		7		1			M7E	7		v	.
4529	RX BO	1 14 21 56.69	1 +25 55 48.52	+0.002	0 -0 000	8.6	6	:	-			K5	- 6	133392	1	
4530	z Mol	ul ne 3n 25.10	5 -08 50 02.42	-0.002	8 -0.008	1 1	6		. .			K5	6	95749		1
4531	BK GE	1 06 27 08.55	6 l+13 38 59•34 l	-0.000	1 -0.002	-	6		- 1		1	Α	6			1
	DN OR	1 05 57 42.55	7 +10 13 01•46	-0.000	9 +0.010		6					В	6		1	1
4532 4533	GO OR	t l ns OB 28.52	3 1+09 3/ 27•80 [-0.000	1 +0.008	8.6	6		17	7 1		HOTY	7			
	LR G	ul ne 12 14.34	4 1+22 19 04 • 05	+0.000	2 -0.005		17		- 1	1		G3EP-K0	7		44.5	
4534	SX HE	0 16 05 20.91	6 +25 02 28 14	-0.000	7 -0 - 047	8.6	lέ	1	-1			A2	6			
4535	UŶ HĒ	D 16 31 26.50	0 1+38 10 30 +551		4 -0.011		Ιĕ		- 1		- 1	M5	6			
4536		0 16 38 43.89	3 -27 00 37 01		6 +0 • 00		16		- [1			47244		1
4537			5 +42 12 53.18	-0.001	1 -0.016	8.6			- 1			N3	6	, 160795		- 1
4538	V 529 HE		5 -18 38 13.99	-0.000	0.00	8 8.6		5 9.70	٦.	,		KO	- 6	104533		1
4539	SZ SG		9 +10 28 16 25	-0.001	3 +0.00	8.6			۲I.	,		65	1 6			- 1
4540	FM AQ		1 +03 28 18 97	-0.000	01 -0.01	5 B 6			٦	'		1	- 1 -	67056	, V	
4541	FN AG		3 +38 36 13.75	+0.000	0.02	8 6		5				AO	Ι ε	105774	V	- 1
4542	KP LY	A 75 0	0 +10 12 05.98	+0.00	34 -0 - 00	2 8.6		5	- 1		.	G5	1	88275	i D	1
4543	V 346 AQ		6 +20 46 04.93	+0.00	+2 +0 -10	8 6		4	- [1	- I.	G5	1	105871	. V	1
4544	17 THE- 2 5G		S 116 74 26-20	-0.00	00 +0 • 00	8 8•6	- 1	4	.		.	٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠	1	69812		- 1
4545	R SG	E 20 11 46.7	5 +16 34 26 20		02 +0.01			6	. 1	_		BOIBEV	١.	7 69181		- 1
4546	V 382 CY	G 20 16 53.8	2 +36 11 00 - 22	-0-00	16 -0.01	B 8.6		6 9.40)	7			1	69264		- 1
4547	V1357 CY	G 19 56 28.8	+35 03 54 51	+n - nn	20 +0.05	0 8.6	- [6	- 1		- 1	MC		7 1253A1		- 1
4548		G 19 59 19.9	69 +33 47 19+39	-0.00	01 +0.00		- 1	6				AOEP				. 1
4549		L 20 00 34.4	35 +05 35 49 65	-0.00	08 +0.01			7 9.34	10 J	7	1	KO:	' '	6 23913	′	- 1
7~77		N 11 28 34.1	71 -56 37 22.09		001.0407	- - 00	- 1	1	1	T	- 1					

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MASHIT DE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	В		N	SPECTRAL CLASS	S	SAO CAT.NO.	STAR PROP.	
	the state of the s	11 50 20 756	+13 17 13.13	-0.0006	-0.033	8.7	6	R.97	7			A4	΄,	99ng 251436	¥. V	1
4551	AG VIR	11 38 29.750	-65 27 59.47	-0.0066	-0.021	8.7	5					3+93	7	99730	V I	1
4552	TU MUS	11 20 30.032	+13 21 18.79	-0.0009		8.7	6	1.0	1			· p	5	251312	v	1
4553	AK LEO	11 30 13.201	-60 49 23.02	+0.0011		8.7	7	100			1.5	HR	6	239043	v	1
4554	EM CAR	11 22 09.703	-57 27 10.70	-0.0002		8.7	6					Αŋ	6	62578	v	
4555	V 685 CEN		+30 20 37.68	-0.0067	-0.058	8.7	6	8.84	7				١.		v	1
4556	TU UMA			-0-0026	-0.034	8.7	6			Į	i ·	An	6	240918	v	1
4557	V 701 CEN	13 28 31.522	-51 30 52 19		-0.055	8.7	6		1	1	١.	A5	6	240869	ľ	1
4558	V 743 CEN	13 25 17.716	-51 01 58.53		+0.024	8.7	6	l	1			KO	7	138566		ł
4559	RX VIR	12 02 11.163	-05 29 41.55		-0.008	8.7	6	1	1	,	1	An	6	219743	V	1
4560	AU PUP	08 15 55.185	-41 33 05.62		-0.019	8.7	6		1		1	М	6	116668	V	1
4561	FZ HYA	08 18 54.729	+05 07 06 • 15		+0.012	8.7	6				1	K5	- 6	174904	V	1
4562	AQ PUP	07 56 20.720	-28 59 37.26			8.7	6	1	1		1	89	6	219459	V	-
4563	BH PUP	08 06 32.407	-41 52 58 69		+0.001	8.7	6				1	F5	6	173963	V	- [
4564	VX PUP	07 30 27.661	-21 49 19.99		-0.020		6	1	1	1	ļ	53-6	7	153273	V	-
4565	SU MON	1 07 39 55,297	1-10 45 38 911		-0.007	8.7	6	1		1		B9	6	176601	V	
4566	RZ PYX	I na 49 56.062	2 [-27 17 41.72]		-0.012	8.7	4				1	-		237960	יי	1
4567	I- 2 VEL	10 19 03.646	-55 47 27·78		+0.009	8.7	1.0			1	1	60	6	154972	V	- 1
	TU PYX	09 07 58.341	-19 42 34 85		0.017	8.7	6		1	Programa	1	м3	1 6	148361	V	- 1
4568	TZ CET	no 2n 15.782	2 -10 25 45 81		-0.010	8.7	6	1			1	МО	6	74573	V	- 1
4569		01 11 03.729) +26 52 07·31		0.040	8.7	6			1		65	6	109778	V	1
4570	RT PSC		+06 32 53.01	+0.0055	+0.028	8.7	6		1.	10 30	1-	MA	1 6	192707	l v	- 1
4571		100 42 04-65!	5 -33 55 37 • 34		+0.050	8.7	6	10.34	1'	12.32	1'	14		108667	l v	- 1
4572			+14 41 34.46	-0.0009	-0.016	8.7	6	1	-	1	1	MP	6	214344	V	- 1
4573			3 -30 24 17.77	+0.000	2 +0.021	8.7	7		1-		1	G5	6	34850	V	١
4574			+56 09 48 66	-0.0000	5 +0.008	87	6	9.53	1'		1	MC	6	52594	Ιv	-
4575	X LAC		+46 14 30 62	-0.001	3 -0.012	8.7	6				1	MB	6	51156	V	Į
4576	BC AND V 539 CYC		5 +44 57 22.15	+0.001	7 -0.021	8.7	6	1	٠١.	1	1	AO	6	71239	V	- 1
4577	The second of th		1 +35 31 22.51		9 +0.001	8 • 7	6		3 J /	1	1		16	70566	V	-
457g	V 836 CYC		3 +36 52 55 19	+0.000	1 -0.014	8.7	6				1	MB	6	69836	l v	
4579	V1056 CY		7 +38 10 38 88	-0.001	B -0.034	8.7	6		1	1	1	B		67941	l v	
4580	V 478 CY		4 +32 31 46.77	-0.001	2 +0.009	8.7	6	.	- 1		1	MB	6	1 -	V	
4581	OU LY		9 +09 16 53 47		8 +0.000	8.7	6		ľ		1	00+B3	7	124049	77	
4582	V1182 AG		2 - 74 - 76 - 51 - 86		8 -0.043	8.7	7		- 1		4	B2	6		v	
4583	TY CR		6 -36 56 51 86		6 -0-097	8.7	6	8,91	7	9.06	7	A5	6	229101	ľv	
4584	V 668 CR		5 -42 21 23.70		7 +0.012	8.7	6		.		1		1 .	254296	ľ	
4585	RT PA	/ 18 30 55.00	5 -69 55 30 92		1 +0.003	8.7	6	9.74	0 7	, I	1	K2	6	124227	V	
4586	SZ AQ	19 02 07.05	1 +01 13 48.66		3 +0.005	8.7	6		- 1			M3E-M6E	7	ş · ·,	v	
4587	RY OP	4 18 14 07•41	4 +03 40 26.98		0 -0.002	8.7	6					B0	6	185899		
4588	V 771 SG	R 17 50 23.85	7 -24 45 52.30		7 +0.027	8.7	6		-		-1	AO	6	103105	V	
4589	UX HE	R 17 51 54.49	5 +16 57 07 49			8.7	6	4 .			1	M4	6	184796	l v	
4590	SY OP	H 16 52 07.21	3 -21 53 24 55		0 -0.015	8.7	6			. 1		GN	6		V	
4591	WZ OP	H 17 04 14.05	6 +07 50 53.73	L +0.001	2 -0.027	8.7	Ιé		- [A3	6		V	
4592	V 349 AR	A 16 34 56.59	2 -60 51 46.86	+0.001	2 -0.015	8.7	16					AO	1 6		V	
4593	W UM	T 16 21 11.05	3 +86 19 22.57		3 +0.010	8.7	6		- 1		. 1	AO	€		l v	
4594	TV NO	R 16 00 22.36	2 -51 24 27.35		8 -0.012		le		17	7	- [B2V	7		V	
4595	V 916 OR	T 06 05 27.75	7 +13 58 48 00		5 -0.002	8.7	16					83	Ι 6		V	
4596	V 917 OR	T ns 05 37.05	9 +13 56 22-11		6 +0.007		6		-1'		- 1	MD	1 6	94778	V	
4597	FX OR	1 05 39 03.76	3 +14 48 37 • 78		6 -0.009				1	1		ко	6		V	
4598	V 553 CE	N 14 43 32.24	8 -31 57 41 -97 i		2 -0.019							МВ	1 6		V	
10 10 10 10 10	DN VI	R 14 08 38.9	55 -10 14 38 68		9 -0.008		16				-1	K5	1 6		V	
4599 4600			0 -64 00 46.81	+0.000	8 -0.001	8.7	. 7					1 ""	1	1		

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

UMBER	STAR DESIGNATI	ON	RT. HR M	ASCE N S		ECLINA EG MN		P N	RA PM	DEC PM	VISUAL MAC.	N N	BLUE MAG.	Ŗ N	UV MAG.	U	SPECTRAL CL 155	5 !!	5A0 C T.10.	STAR PROP.	1
4601	ΕY	VIR	14 1	6 28.	980 -	-13 12	06.70	T	+0.0012	-0.022	8.7	5					٧ĸ	F.	158492	. V.	
4602	EN	TRA					17.43		-0.0028		8.7	6							252962	, v	1
4603	T	CAE	04.4	5 31.	719	-36 17	50.61		+0.0037	+0.010	8.7	5	1 1 1			ł	N4	7	195295	l y	1
4604	QQ.	ERI	04 0	ь 30.	612	-08 13	54.52		-0.0015	-0.019	8.7	6.		100			ИC	1	130984	V	ı
4605	SY	ERI					37.58		-0.0002	+0.015	8.7	6		1 1			NB	6	131832	V	
4606	vx	ERI	03 2	2 47.	074	-12 31	48.47		+0.0011	+0.012	8.7	6					М3	6	148953	٧	1
4607	ΥŶ	CAS	03 0	5 56.	365	65 33	10.61		-0.0025	+0.041	8.7	6						1	12631	l v	١
4608	AY	PER	03.0	6 51.	.220	+50 44	33.16		+0.0007	-0.011	8 • 7	6		l			39	6	23850	ν̈́	1
4609	AP	MON	07 0	7 07.	584 l·	-06 39	02.98		-0.0011		8.7	5		1			M2	6	134271	v	١
4510	V 519	MON	06 4	8 55.	.117	+00 01	40.45		-0.0004		8 • 7	6			5 5 5	1	W2	6	114519	V	-1
4611	G I	CAR	11 1	1 48.	017	-57 38	18.09	1	-0.0016		8.77	7	9.380	7		i	F8	6	238894	ν̈́	١
4612	ŬŸ	LEO	10 3	5 40.	995	+14 31	39.52		+0.0001	+0.005	8.8	6				1	G5	6	99272	v	١
4613	C۷	LEO					05.82		+0.0006	-0.002	8.8	6	1	1	1		¥7	1 5		ľ	ı
4614	DZ	MUS					22.96		+0.0001	-0.016	8.8	6		1.		Ì	AD	7	251674	ľ	1
4615	รับ	CRT	11 3	19	397	-11 45	25 - 28		+0.0024	-0.160	8.8	6.	9.10				F2V	7	156747	l v	
4616	SS	CRT	11 3	3 13.	.351	-17 39	02.16	, I	+0.0007	-0.013	8.8	6				1	М3	6	156775	V	
4617	V 646	CEN	11	34 34 .	432	-52 55	59.21		-0.0006	-0.009	8.8	6					89	6	239223		
4618	CP	VIR	13 5	14 29	643	+06 49	06.19) i	-0.0017	-0.012	8.8	6.		1	100	[MB	6	120101	V	
4619	v 379	CEN	13.	22 06	.824	-59 31	16.73	3	-0.0015	-0.017	8.8	7		1_		1	89	6	240822	l v	ĺ
4620	SW	VEL	08	1 59	784	-47 13	17.95	i	-0.0038	-0.006	8 • 8	4	9.52	7			K2	4	220356	l v	
4621	AS	VEL	na a	26 27	.552	-38 48	19.20		-0.0037	-0.020	8.8	7				1	A3	6	199271	V	
4622	RS	CAM	08	13 58	.515	+79 08	50.53	3	+0.0020	-0.035	8.8	6	1	1		Ì	MB	6	6653	ľ	
4623	ŴŶ	VEL	05	20 20	945	-52 21	00.92	<u>: </u>	-0.0006	-0.014	8.8	7		1		Į.	МА	6.	236888	l v	
4624	ΧY	PUP					16.08		+0.0026	-0.021	8.8	6	1	1		ì	A3	6	153899	V	
4625	2	CNC	08	19 36	889	+15 09	11.08	3	-0.0004	-0.045	8.8	6		1.		1	MC	6	97768	V	
4626	TY	PUP	07	30 35	866	-20 41	02.30)	-0.0011		8.8	6	1				FO	6.	173970	ν	
4627	YY	PUP	07	33 39	.949	-19 16	49.08	3	-0.0055	-0.005	8.8	6		.1	1000		A0	6	153116	ľ	
4628	₩X	PUP	07	39 54	486	-25 45	27.31		-0.0012		8.8	6		1.0			GO	6	115963	ľv	
4629	W	CMI	07.4	46 06	.077	+05.31	08.83	3	-0.0000		8 • 8	6			1	1	NA .	6		ľ	
4630	TU	MoN					40.73			-0.007	8.8	6			1	1	B8	6	135216	ľ v	
4631	AR	MON	07	18 20	.454	-05 09	54.68	3		-0.009	8.8	6					Ko	6	173554	ĺν	
4632	CW	CMA	07	19 46	.375	-23 41	51 • 68	3	-0.0031		8.8	6	1	1	1	1	B9	6	198085	V	
4633	MG	PUP					42.18			+0.004	8.8	6	1	1		1	В9 ИС	6	41678	v	
4634	RS	LYN					38.02			-0.015	8.8	6		1.				6	133897	l v	
4635	AU	MON	06	52 22	.469	-01 18	40.78	3		-0.021	8.8	6			1	1	B5	1 %	51500	ĺν	
4636	MR	CYG	21	57 00	.316	+47 44	37.14	+ J -		+0.018	8 • 8	6				ł		1	51524	Ιν̈́	
4637	C5	LAC	21	57 39	.866	+42 19	50.69	∍		+0.000	8.8	6		-		1	1		51539	ľ	
4638	BG	LAC					17.15			+0.013	8.8	6	9.62	1'			l ce	1 4	51563	١v	
4639	RT	LAC	21	59 28	•557	+43 38	55.02	2		+0.012	8 • 8	6	1	1		1	G5 A3	6	164320	v	
4640	RY	AQR	21	17 33	.708	-11 00	54.45	2		+0.041	8.8	6	1	1		1	M4	6	164042	ľv	
4641	AB	CAP					41.8			-0.003	8.8	6		1			M5	6	164218	v	
4642	RX	AGR	21	10 00	.961	-14 35	54.8	7		-0.007	8.8	6	1	1		1	K2	6	139574	l v	
4643	CE	VIR					52.00			+0.001	8 • 8	6				1	N2 M3	6	182107	l v	
4644	GH	HYA	13	54 03	.314	-26 54	41.2	2		-0.024	8 • 8	6		- [1	1 :	A0	6	34598	l v	
4645	RZ	LAC	22	33 38	,531	+52 29	03.5	5		+0.006	8 • 8	6			1	1	K5	6	191345	Ιv	
4646	SZ	AgR	22	40 07	.684	-21 26	27 · B.	1 ·		+0.007	8.8	6				1	AOP	6	34741	v	
4647	GL.	LAC	22	42 05	.629	+55 19	35.1	2		+0.010	8.8	6	0	1,		1	G5	1 6	34841	Ιv	
4648	٧	LAC	22	46 35	.226	+56 03	25.2	0		+0.011	8.8	6	9.48	16			G5	6	72820	ľ	
4649	SW	LAC	22	51 22	.544	+37 40	18.8	В		+0.005	8.8	6	10.00	1-			FA	6	34106	ľ	
4650	Y	LAC	22	07 07	.776	+50 48	3 00 • 17	2 I	+0.0002	+0.004	8 - 8	6	9,36	17	1	100	1 70	10	347/10	1 .	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN.	DECLINATION P DEG WN SEC N	RA PM	DEC PM	VISUAL MAG.	Z	BLUE MAG.	B N		U	SPFCTRAL CLASS	5 N	SAT CAT NO.	PROP.	,
		1	-17 47 25.68	+0.0017	-0.012	8.8	۴		П			60	6	165644	V	
4651	XY AGE	23 10 44.132	-17 35 38 10	+0.0014		8.8	6	: '				М 4	. 6	165676	V	1
4652	RU Auf	23 21 47.163	+07 38 53.97	+0.0004		8.8	6	1.1				A 2	- 6	128261	Ä	1
4653	Y PS		+46 49 51.92	+0.0007		8.8	6							53195	V .	4
4654	GG AN		+09 56 19 19	+0.0020		8.8	6					Λ5	6	128331	٧	1
4655	DK PE	23 39 00.796	+40 31 18.67	+0.0015		8.8	6			ļ		MD	6	52832	V	1
4656	TY ANI	23 12 21.996	04 11 00 50	-0.0038		8.8	6	10.25	7	ĺ		42	5	166429	V	1
4657	AH CE		-21 41 04-64	-0.0010		8.8	6	10.29	7		.	M3	6	128907	V	1
4658	AI CE		-09 55 19 20	-0.0007		8.8	6		1	1	1	F8	6	11197	٧	l.
4659	V 379 CA	00 23 49.123	+60 31 17.58	+0.0057		8 • 8	6		1.		1	A3	6	215098	V	1
4660	AG PH		-40 09 29 28	+0.0046		8.8	6	10.25	7			V/4	- 7	1>9190	٧	1
4661	AN CE		-02 26 38 40		-0.020	8.8	6	9.130	7					36605	V	- 1
4662	CC AN		42 00 30 58	1 1 1 1 1 1	+0.002	8.8	6	9.13	7	1		BSIV	7	23102	V	l
4663	V 355 PE		+57 30 46.97		+0.020	8.8	6		1			K7	6	168483	V	1
4664	VW ER		3 -21 38 09 20		-0.000	8.8	6			1	1			12609	V	1
4665	RX CA		+67 23 07.56		+0.008	8.8	6	9.29	7	1	1	BOILL	7	23434	l v	ı
4666	V 362 PE	02 30 30.93	5 +58 11 11 • 35		-0.301	8.8	6	'-	L		Ŀ	K5	6	215947	V	1
4667	CC ER	02 32 28-419	9 -44 00 38.91		-0.031	8.8	6		1.		ľ			57509	V	
4668	SU AU	1 04 52 47.87	3 +30 29 19 60			8.8	6					BB	- 6	253159	V .	
4669	HP TR	15 21 49.32	6 -63 15 05•78		+0.004	8.8	6					M2	6	29259	٧.	1
4670	UV DR	14 42 33.54	8 +56 19 02.96		+0.006	8.8	6		į.		1	GO	6	224812	. v	1
4671	V 636 CE	1 14 13 40.21	1 -49 42 49.03		-0.043		4		į.		ŀ	AZ	4	29073	מ	1
4572	IOT- 2 Bo	14 14 25.81	6 +51 36 22 17		+0.082	8.8	6				1	B8	6	77330	V	1
4673	ET TA	05 34 32.93	0 +27 14 33 44		+0.039	8.8	6			1		A3	6	112796	٧	
4674	FO OR	05 25 31.71	8 +03 34 58 37		-0.011		6	9.55	17	1		G5	6	113757	V	1
4675	SV Mo	1 06 18 44.95	8 +06 29 40 68		0.013	8 • 8	6	7.55	1	1	1	NZE	6	29781	V	-
4676	RR HE	16 02 50.63	3 +50 38 03.27		-0.041	8 . 8	6				ļ	MB	6	159785	l v	1
4677	BR SC	16 10 28.86	6 -10 12 40 51		+0.026	8.8		1			1	1 "	Ĩ	65175	V	ı
4678	SX CR	3 16 13 29.53	0 +33 27 13.81		-0.011	8 • 8	6		İ		1	F8	6	102668	יער	- 1
4679	AK HE	2 17 11 43 .1 8	0 +16 24 27.59		-0.046	8.8		1		1 - 1	1	60	6	121784	l v	1
4680	V 502 0P	1 16 38 47.78	2 +00 36 08.53		2 +0.020	8.8	6				1	88	6	142494	V	
4681	RR SC	r 18 38 17.18	6 -04 07 56 14		+0.010	8.8	6		1.			M3E-M6.5E		66794	V	-1
4682	W LY	R 18 13 11.72	0 +36 39 12.05		-0.013	8 • 8	6	1				OA	6	161325	l v	
4683	CV SC	18 16 19.81	0 -11 39 16.23		+0.015	8.8	6	10 -7	١.,	12.67	17	R6 (C4 . 5J)	7	161327	V	1
4684	FO SC	18 16 29.43	4 -15 38 04.58		2 -0.013	8 • 8	6		1′	12.07	Æ.	A2	6	186718	V	
4685	XZ So	R 18 19 01.72	6 -25 15 53.02		0.024	8.8	6					PEC	۱ ĕ	161458	Ιν	ı
4686	RY So	T 18 22 42.70	6 -12 43 09 24		1 +0.005	8.8	6		1.		1	A2	6	228555	l v	1
4687	V 764 SC	17 52 27.50	7 -45 08 55 87		0-0-029	8.8	6	1	1		.	60	6	123183	l v	1
4688	V 839 OF	4 18 06 58•35	1 +09 08 28 30		5 +0.016	8.8	6			1	-	MO	6	185643	l v	-
4689	V 552 OF		0 -28 24 29.34	+0.001	3 +0.022		6					BP	6	141834	y	-1
4690	XX O		7 -06 14 52 19		4 +0-004		6		-	1	1.	GO	6	208174	v	- 1
4691	AK S		1 -36 48 28.55	-0.001	8 -0.046		7					J 60	0	48466	l v	ı
4692	TT L	R 19 25 57.68	0 +41 35 55.51		8 +0•006		6				1	l No	6	162965	ľ	1
4693	UW S	R 19 43 32.55	6 - 18 16 30 • 22		5 -0 - 024		6				1	N0 M5	6	162009	Ιv	
	RW SI	T 18 53 45 55	6 -10 35 28.79		0 +0.015		6		1		1	ا ۳۶	1 0	67609	ľ	
4694	OQ L	R 18 54 56.65	4 +31 08 01 59		2 +0.011		6		1_			1		229444	ľv	- 1
4695	MT T	1 18 58 30.76	2 -46 43 27.33		7 -0-109		6		7			AO	6	187624	l v	- 1
4696	SU S		5 -22 47 10.47		3 -0.008		6				1	M7	6	9579	ľ	- 1
4697	BS D	A 19 57 12-64	1 +73 28 48-10	-0.000	0 -0.012	8.8	6		1		1	F5	6	48854	ľ	- 1
4698	V1154 C	G 10 46 37 47	8 +43 00 04 94		7 +0.028	8.8	6				1		۱.		ľ	
4699 4700	V 697 C		8 +52 39 28 • 61		2 +0.013		16	. 1	1	1	. 1	M2	6	32028	I * .	ı

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	N	BLUE MAG •	B N	MAG.	N	SPECTR L CLASS	S	SAN CAT.NO.	STAP PPOP.	,
4701	V 526 MON	06 59 21.118	-01 03 29.95	-0.0005	-0.013	8•8	6					Gn	4	134074	V	1
4702	IT CAR		-61 28 57.45	+0.0004	-0.007	8 . 84	7	9.720	7			K2	6	251314	7,	1
4703	UZ CEN	11 38 36.210	-62 24 54.23	-0.0007	+0.002	8 • 87	7	9.480	7		1 1	G5	6	251537	V	1
4704	CZ LEO	11 28 46.891	-04 01 25.39	-0.0005		8.9	6				1 1	M5	. 7	138245	V	
4705	AI LEO		+11 28 21.02	-0.0001	-0.012	8.9	6					MB	6	99725	V	1
4706	AB CRU		-57 53 12.68	-0.0034		8.9	7			100		BO	F	239816	٧/	1
4707	V 434 CEN		-35 53 28 90	-0.0060		A 9	6		l		I . I	K5	6	202104	V: :	1
4708	QS CAR		-70 54 24 15	-0.0189		8.9	6				1 1	G	7	256729	71	
4709	Z SEX		+02 48 19.22	-0.0005		8.9	6		1		1.	٧.5	6	118149	٧.	ŀ
4710	VÝ HYA		-22 53 58.72	-0.0049		8.9	6	100		100	1	A3	6	178701	V	
4711	HU PUP		-28 30 54.94	+0.0011		8.9	6			ľ		K5	6	174817	V	
	PZ MON		+01 16 32 69	-0.0019		8.9	6				1	KO	-6	114441	V :	
4712 4713	UU CNC		+15 19 07.06	+0.0000		8.9	6				. I		1 :	97496	, V	
4714	SW LYN		+41 56 46.98	-0.0014		8.9	6				1	F2	6	42180	V	1.
	SZ LYN		+44 37 09.70	-0.0006		8.9	6	9.16	7			F2	6	42201	V.	
4715	SY VEL		-43 34 15.85	-0.0023		8.9	7			1000	1	MB	6	220949	V	1
4716	TT PYX		-25 58 39.07	+0.0003		8.9	6					Ro	6	176505	V	1
4717			+21 20 09.06	+0.0007		8.9	6		1			M0	6	80312) V	1
4718	UV CNC AO CET		-10 00 33.87	+0.0009		8.9		10.48	7			M2	6	147744	. V	-
4719	XX ScL		-33 34 43.52	+0.0022		8.9	6		1		1	FO	6	193142	٧	-
4720			-12 11 48.03	-0.0027		8.9	6		1			A2	7	147897	V	1
4721	WY CET V 365 CAS		+56 20 36 93	+0.0009		8.9	6	<u>'</u>	1		1	45	6	21917	٧	١
4722	HS CAS		+63 19 11 35	+0.0004		8.9	6	· .	1		1		100	11591	V	
4723	SX CAS		+54 36 48.35	+0.0012		8.9	6		1		1	A7	6	21169	V	1
4724			+55 58 30.44	-0.0008		8.9	5	9.750	7		i	GO	6	21233	V	
4725 4726	FM CAS		-09 14 15.35	+0.0030		8.9	4				1	M3E	4	147001	V	ł
	TW AND		+32 34 03.23	+0.0052		8.9	6							53603	V	1
4727 4728	TT AGR		-09 38 29.00	-0.0002		8.9	6		1			MP	6	146384	٧	
4729	AI CEP		+56 41 07.60	-0.0011		8.9	6		1			BO	6	33744	V	1
4730	BD PEG		+27 53 42.10	+0.0043		8.9	6					М8	6	90732	٧	I
4731	CO VIR		+07 20 08 69	-0.0025		8.9	6					чв .	6	119746	V	ı
4732	UU CAP		-14 05 33.80	+0.0045		8.9	6				1	144	6	164507	V	-
4733	V1427 CYG		+47 41 14.89	-0.0011		8.9	6	9.52	7	9.18	7	B3F0	7	51076	٧	
4734	UU CYG		+43 03 04.65	-0.0036		8.9	7		1			A2	7	51154	יט	-
4735	CX ERI	04 01 40.592		-0.0006		8.9	6	1.0	1			MA	6	194722	l V	1
4736	UZ PER		+31 50 29.15	+0.0006		8.9	6		1		1			56354	V	1
4737	CR AND		+46 20 32.68	-0.0002		8.9	6				1			38184	. V	-
4738	Y ARI			-0.0000		8.9	6				1	мс	6	55784	V	ı
4739	BL TAU		+20 03 36 69	+0.0005		8.9	6		Ĺ		1		1	76297	. V	ı
4740	LT GEM		+23 35 30 88	+0.0003		8.9	6	9.26	7			BIV	7	78198		-
4741	IY AUR		+43 03 59.05	-0.0001		8.9	6				1.	85?P	7	40615	V	-
4742	V 451 ORI		+10 59 12.26	-0.0011		8.9	6		1		1	B9	6	94612	V	1
4743	DM VIR		-10 54 54 12	-0.0018		8.9	6		1		1	F5	6	158369	l v	
4744	KN AQL		+01 42 29.28	+0.0004		8.9	6		1		1	MB	6	125873	V	-
4745	CQ CYG		+53 10 26.37	+0.0009		8.9	6		1		1	F2	6	32144	٧	1
	TX DEL	20 47 41.976			-0.002	8.9	6					FB	6	126272	V	1
4746	T		+02 32 18.96	+0.0002		8.9	6			1	1	MA	6	124413	V	1
4747			+46 14 18.17		+0.072	8.9	6	1		1	1	65	6	48190	٧	1
4748	FL LYR		-46 02 54 39	+0.0011		8.9	4				1	MA	4	229497	V	1
4749	RX TEL -T- 1B CAR			-0.0018		8.959		10.399	12	1	1	В	4	238305	מ	1

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATIO	on	RT. ASCEN. HR MN SEC	DECLINATION P	PM RA	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	JV MAG.	צט	SPECTRAL CLASS	5 M	SAO CAT-NO.	STAP PROP.	G N
			****	-58 51 05.81	-0.000	5 -0.012	8.98	7	9.87n	7			35	6	240231	V.	
4751	X	CKU	12 43 20.930	-47 47 23.97	+0.000		9.	6	1.1				λn	6	223785		1
4752	V 377	CEN	12 54 25.654	+02 53 52.85		5 -0.030	9.0	6				li	MV	6	119203	V	
4753	TZ	VIR	12 02 02.341	-08 43 21.01		4 +0.006	9.0	6			1		иC	6	138725		1
4754	CH	VIR	12 17 40.004	+45 51 42.01		1 -0.044	9.0	6	L	1		1		1	44163	\ \ <u>`</u>	1.
4755	UY	CVN	12 22 27.162	143 51 42 01		1 -0.000	9.0	6						1	62653	V	
4756	AY	UMA	11 38 06.521	+30 19 55 02		2 -0.016	9.0	6		1	Į.		v.C	6	137968	V	Ţ
4757	5X	LEO	11 01 05.328	-02 56 05 22	+0.000		9.0	6		1	· ·	1	Ва	. 6	222805	V	1
4758	V 742	CEN	1 25 02.654	-41 14 19.85		5 -0.021	9.0	4		1		1	K5	. 4	251169	V	-
4759	BZ	CAR	10 52 08.613	-61 46 33 66		5 -0.013	9.0	17	1. 1		1		B9	6	238265	٧	
4760	GM	CAR	10 35 21.841	-58 58 47.08		2 -0.002	9.0	6	1	1			MB	6	221936	٧	
4761	wZ	VEL	10 15 31.820	-47 41 48 69			9.0	6		1			ч 2	6	117997	V	1
4762	RR	SEX	09 52 16.626	+05 26 05 94		9 -0.038	9.0	6		ĺ		1	A2	6	136572	V	Į
4763	RX	HYA	09 03 14.119	-08 03 35.87		5 -0.019	9.0	6		1	1	1	45	6	117103	V	1
4764	ΕY	HYA	08 43 45.951	+01 48 57.23		1 -0.012	9.0	17				1	KZ	6	199750	. V	
4765	٧	PYX	08 51 25.693	-34 37 44.43		5 -0.021	9.0	6		1	1	1	G4	7	116843	V	ı
4766	GK	HYA	08 28 13.561	+02 26 34 49		0 +0.017		6	9.87	17					220040	٧	1
4767	AL	VEL	UB 29 35.407	-47 29 46.60		4 -0.007	9.0		7.3	1	-1				98890	V -	1
476B	AC	LEO	09 57 30.383	+17 42 00.78		2 -0.008	9.0	6		1		1			61222	V	
4769	ÜV	LYN	09 00 13.796	+38 17 47.83		4 +0.010	9.0	6		1	1	Į.		1	14755	V	1
4770	77	UMA	09 01 18.803	+60 29 12 04		1 -0.008	9.0	6	1			1	!		97631	l v	1
4771	VV	CNC	na na 22.957	1+19 17 52 23		0 -0.035	9.0	6		1.	1	1	В9	6	153429	V '	- 1
4772	ZZ	PUP	07 46 12.994	-19 10 02.06		1 +0.032	9.0	6					F2	6	116066	l v	
4773	ĀD	CMI	07 50 11.740	+01 43 39 14		2 -0.002	9•0	6				1	AS	6	96912	V	
4774	RY	GEM	n7 24 32.914	+15 45 42 87		4 -0.017	9.0	6		١,	1 1 4		53,9(01)	1 7	152891	V	1
4775	FX	СмА	n7 24 43.011	[-11 37 07·20]		0 +0.006	9.0	6	11.18	1'	1		AO	16	134383	l v	
4776	v 536	MON	n7 11 25.006	6 -02 49 17.45		9 +0.004	9.0	6		1			A2	6	59533	l v	-1
4777	RX	GEM	ne 46 54.93	5 +33 17 51•72		2 -0.019	9.0	6		1		1	NB	1 6	133825	Ιv	- 1
4778	GŶ	MON	1 06 50 42.75	5 -04 30 48•57		1 +0.000	9.0	6		١.,		1	MA	6	50158	l v	
4779	V1395	CYG		+46 34 37.73		1 -0.003	9•0	6	1	.14		1	74	l °	70716	v	
	VIS	CYG		+ +39 59 02.21	-0.00	14 +0.021	9.0	6		9 7	1	1	1:	6	33149	v	- [
4780	V1061	CYG		7 +51 50 47.79	+0.00	21 +0.037	9.0	6		1			F8	"	100761	V	-1
4781	A CONTRACTOR OF THE CONTRACTOR	800		3 +17 31 33.64	-0.00	28 -0.009	9.0	6				Į.		١.,	139419	ľv	ı
4782	XZ EQ	VIR	13 32 06.61	1 -08 05 06.74	-0.01	36 -0.098	9.0	6		ı		1	K7VE	7		l v	
4783	TV	LAC	22 53 59.45	1 +53 57 43.47	+0.00	7 +0.004	9.0	6				1	N3 .	"	52542	v	
4784	τν	AND	22 55 46-04	0 +42 28 07.17	+0.00	08 -0.011		6		1			1	1 .	165473	ľ	ı
4785				4 -16 16 45.22		13 -0.005		6		1.	1	1	M2	6	20124	l v	- 1
4786	EQ	AUR		5 +63 15 54.73		32 -0.017		6	_				AO	6	34693	ľ	1
4787	MX	CEP		2 +56 34 04 93	-0.00	14 +0.001	9.0	6		7		1	F5	6		۱v	
4788	Z	LAC	22 30 30 26	0 +56 10 16.01	+0.00	03 +0.002	9.0	6	9.70	- 7		1	G5	6	34609	١v	
4789	RR	LAC		0 +59 10 43.23	-0.00	20 +0.018	9.0	6	10.34	0 7	` 	1	60	6		v	
4790	CR	CEP		7 -07 12 59 69		37 +0.022		6	·	- 1			FO	6	146035	l v	- 1
4791	ST	AQR		2 +15 40 30 53		25 -0.057		6		- 1			1	١.		v	
4792	U 407	PEG	23 35 23 11	1 +54 34 13.43		03 +0 - 011		6		1			G 5	6		l v	1
4793	V 403	CAS		7 +63 48 50 47		25 +0.015		6				1	1		11461	. V	
4794	BM	CAS		2 +29 07 27.06		10 -0.028		6		0 7	' [A7	6		l v	
4795	SW	AND		0 +60 43 27.64		34 +0+013		6	.			1	1.	. 1	20912	l v	
4796	TZ	CAS		3 +84 52 10.07		82 -0.005		6				1			220	ľ	
4797	RU	CEP	01 14 23.69	3 -26 "3 31 02		12 +0.006		6	10.62	17	11.94	7	112	6			
4798	TT	FoR		3 -26 43 31.02		11 +0.001		ϵ		- 1		- [GO	6		V	
4799	VX	PER		9 +58 12 22+87		18 -0.018		16		- 1	1	-	Gn	6	37805	V	1
4800	BX	AND	1 02 05 59.30	7 +40 33 28 27	1,000	5.51	_L		<u> </u>			╌					

TABLE 5 CONTINUED STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATI	ON	RT		SCEN. SEC			NATION N SEC		RA PM	DEC PM	VISUAL MAG.	V H	BLUE MAG.	B N	UV MAG.	Z	SPECTRAL CL:SS	S !!	SA0 ~.T.NO.	PROP.	
4801	XZ	CAS	01	19	40.65	3 +	50 5	4 55•8	8	-0.0011	+0.040	9.0	6							11727	M	T
4802	00	AGL					_	1 01.5		+0.0044	-0.003	9.0	6		1			35	6	125094	V	1
4803	Ť	AGL						1 22.8		+0.0002	+0.019	9.0	6	, · · · · · · · · · · · · · · · · · · ·	1		1	M2 .	6	123894	V	İ
4804	RS	ScT						7 56 2		+0.0020		9.0	6		1			Gn	6	161860	V	1
4805	V 369	ScT						4 47.1		+0.0007		9.0	6	9.50	7.	9.70	7	FBIII	7	142702	٧	١
4806	V 840	AGL						7 53 8			-0.025	9.0	6		1			A2	- 5	124093	V	1
4807	AI	CYG						1 07.8			-0.004	9.0	6		1	1	l	MA	- 6	70155	V	ł
4808	SW	CYG						9 14.5			-0.001	9.0	6		1		1	Λ2 .	6	49198	٧	١
4809	TŽ	AGL						5 22.7		-0.0004	-0.021	9.0	6	100	1	ľ		11C	6	144506	V	1
4810	V 393	CYG						9 30 • 7		-0.0047	-0.025	9.0	6					An ·	6	49051	V	1
4811	CF	CYG						6 55 2			+0.008	9.0	5		1		1	A2	6	32207	V	١
4812	AT	VuL						5 58 5		-0.0003	+0.002	9.0	6		1		1	Αŋ	6	87898	, V	1
4813		SCA	_					3 37.3		+0.0004	+0.003	9.0	6		1	1	!	54C	6	161128	٧.	1
4814	ΑÖ	SGR						2 21.0		+0.0024	+0.012	9.0	6.	100				M3	- 6	186452	٧	Į.
4815	îŤ	Sco	17					6 16.5			-0.009	9.0	4	٠		1	Ŀ	113	- 4	228265	V	1
4816	BN	SGR						7 54 9			-0.030	9.0	6					F5	6	185745	V	1
4817	RV	0pH						6 46.5			+0.001	9.0	6				1	AO .	6	122523	V	١
4818	ĒΥ	LYR	18					7 29.9			+0.003	9.0	6			i .	1	мв	6	67243	V	1
4819	ER	ScT						4 32.6			+0.012	9.0	6					A0	6	142528	V	1
4820	XX	SGR						9 31.5			-0.002	9.0	6		100	100		G5	6.	161444	. v	ď
4821	ÎŽ	DRA						2 32.4			+0.029	9.0	6							47430	V	1
4822	V2349	5GR						4 02.0			+0.003	9.0	6					B0	6	151502	V	1
4823	V 522	HER						2 09.4			+0.031	9.0	6		1 .					46952	V	.
4824	ัรงั้	DRA	17					2 52.5			+0.005	9.0	6				1	ЧСР	6	17364	. V .	١
4825	BE	HER						1 51.1			-0.023	9.0	6			1 1		М3	6	84366	V :	1
4826	SW	0pH						1 19.6			-0.020	9.0	6			1	1	AO	6	141070	.v	١
4827	ĒΡ	TRA						6 47.8			+0.060	9.0	6				1	A0	6	253304	V :	.
4828	ĀL	VIR	14		26.8						-0.019	9.0	6	9.40	7	1		F5	6	158406	V	1
4829	ĒŪ	VIR						0 42.7			-0.001	9.0	6		1			М4	6	158421	V	ı
4830	AN	VIR						8 35 . 5			+0.005	9.0	6		1			M5	6	158473	V	1
4831	บิพั	LIB	14					5 20 .			+0.006	9.0	6	1.5			ļ	KO	6	158607	l v	1
4832	SY	CRB	15					4 44.8			-0.029	9.0	6	100	1			MC	6	64810	l v	1
4833	FW	LUP						4 53 2			-0.013	9.0	6		1			GO	6	225707	V	-
4834	BG	VIR	14		33.7						+0.002	9.0	6				1	MB	6	120658	V	١
4835	v	LIB			34.8			6 35.9			+0.004	9.0	7		1	1				158719	. V.	1
4836	NÚ	ORI			03.7			7 54.8			-0.005	9.0	6			1	1	B1V	7	132328	V	1
4837	V 361	ORI			03.9			7 07			+0.030	9.0	6					B8	6	132329	V .	1
4838	RX	PIC						9 53.4			+0.053	9.	7				l	AO	6	249576	V	١
4839	ĸŝ	MON						5 46.5			-0.025	9.0	6					MA	6	133110	V .	-1
4840	Ç0	AUR						9 51 .			-0.010	9.0	6					}		58699	. V	ı
4841	RT	PIC						3 51.			+0.019	9.0	6	-				G5	6	217667	V '	1
4842	v 530	ORI						1 32.0			-0.084	9.0	6	1	1			GO	6	132800	V	1
4843	V 643	ORI						4 33 - 5			-0.046	9.0	6			1	1	62	6	132847	V	1
4844	WX	DoR						7 57.9			-0.021	9.0	6			1	1	MB	6	233449	V	- 1
4845	RR	HOR						3 21.1			-0.010	9.	Ŧ				1	G	6	233216	v	- 1
4846	ΧΥ	PER						9 49			-0.016	9.0	6							56726	DV	- [
4847	^x	ARI		-				5 23.8			-0.070	9.0	6	9.280	7		1	A2	6	93297	V	1
4848	RŶ	FOR						2 33.6			+0.040	9.0	6					М	6	168423	V	1
4849	TX	CAS						4 39.			+0.006	9.0	6							12477	V	1
4850	sî	PER						9 33.0			-0.013	9.0	6			1	ı	l A	6	56066	v.	ı

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER DESIGNATION RT. ASCEN. DECLINATION P. RA DEC. VISUAL VI BULE B. JUV SPELTAR POPP. 31 POPP. 31 POPP. 31 POPP. 32 POPP. 32 POPP. 33 POPP. 34					5	TAR DESIGNATION	ON5	AND STA	R DATA OF	ULNED	1						T _	SAO	STAR	6
NMBER DESIGNATION HR MM SEC DEC NM SEC N PM P PM RAG. N PAPE NAME. N P						r	T						1	υV	U	SPECTRAL	5 N			N
## ## ## ## ## ## ## ## ## ## ## ## ##							1.		PM	MAG.	N	MAG.	N	MAG.	N .	CLASS	-			t^-
## # # # # # # # # # # # # # # # # # #	NUMBER	DESIGNATION	ON	HR MN	SEC	DEG WIN SEC	₽					0 • 6	7	0 20	7	A2	5	215966	i	1
4851				00 35	10.864	-43 10 47.27		+0.0080	+0.009		[]	9.10	'				5			1
4852 UV 7 E61 04 19 12-984 06 06 09-35 -0.0009 -0.002 -0.00 6 -0.007 -0.003 -0.007 -0.003 -0.007 -0.003 -0.007 -0.003 -0.007 -0.003 -0.007 -0.003 -0.007 -0.007 -0.003 -0.007 -0.003 -0.007 -0.003 -0.007 -0.007 -0.003 -0.007 -	4851			02 33	30 B37		1.	+0.0020	+0.016							A5	6		-	1
## 1	4852			04 34	12 084	-n6 n8 ng 35		-0.0009	-0.037			1, 33	1		1		6			1
LP 091 05 32 42.470 -05 29 47.70 1 49 37 32.70 1 49 32.7	4853			04 19	E1 305	-n5 44 23.55		-0.0005	+0.012				1		1	ь	6		1	
###55 BK AUR 05 06 49,761 149 3/ 32 18.00 ##857 RV PLC 0 45 61 18.720 -52 18.20 ##858 TX PLC 0 45 61 18.720 -52 18.20 ##859 TX PLC 0 45 61 18.720 -52 18.20 ##859 TX PLC 0 45 61 18.720 -52 18.20 ##859 TX PLC 0 45 61 18.720 -52 18.20 ##859 TX PLC 0 50 64 46.77 ##859 TX PLC 0 50 64 46.77 ##859 TX PLC 0 50 64 46.77 ##859 TX PLC 0 50 64 46.77 ##859 TX PLC 0 50 64 46.77 ##859 TX PLC 0 50 64 46.77 ##859 TX PLC 0 50 64 46.77 ##850 TX PLC 0 50 64 46.77 ##851 DX TX DX DX DX DX DX DX DX DX DX DX DX DX DX	4854			05 20	42.470	-05 29 47.09		+0.0007	+0.003			0 060	7				1			1
New Pic 0	4855		, ,	05 06	49.761	+49 37 32.78		-0.0010	-0.012			3.000	1		1	89	1			1
Neb	4856			05 00	18.720	-52 13 18 80		-0.0005	-0.002				1		1	GO	6			
WB25	4857					-41 32 14.02	2	-0.0036	-0.017	1		1	1		i i	M	6			
No.	4858					-24 29 16 23	3	+0.0022	-0.005	1 -		1				F2	6		1 .	
Neb SU Tit Q2 15 13, 329 43 31 142 94	4859			05 00	28.532	-15 49 35.28	3	-0.0035	-0.030				-		1	1	1			
No. No.	4860					+31 31 07.52	2	+0.0014	+0.001					1		МО	6			1.
New York Color C	4861			02 15	56 77	-03 11 42.94	•										6			1 .
## 1	4862				20.760	-08 45 52.3	2	-0.001	2 +0.002						.1	F8	6			1
No. No.					25.246	-15 04 49.50	5	+0.000	7 -0.062							K7	- 6		1 '	
## 4865 FT ORI 06 10 58 229 121 26 33 72 40 40 40 40 40 40 40 4						1+30 n6 56.9	+	+0.000	0 +0 • 005				1.		1.	AO	6			
4866 V 586 ORT OS 34 32.684 -06 1 01.55						+21 26 33+7	2	+0.000	1 +0.001	_						A0	6			
## 1				05 3	32.68	-06 11 01.5	5	+0.000	5 +0.012			1 1	١.		1	мс	6		1 -	
## 1	4867			05 3	0 04-00	+18 31 02.0	0	+0.000	8 -0.013				1			MA	6		-1 -	- 1
4870 AD BO DRA 14 57 17.945 556 57 02.15 -0.0021 -0.049 9.1 6 10.7 7 11.76 7 K5P 6 14.139 7V 4872 V 610 ARA V 438 ORA V 458.531 -57 10 41.03 -0.0021 -0.037 9.1 6 10.7 7 11.76 7 K5P 6 14.139 7V 4873 V 438 ORA V 458 ORA V 44.22 42.4	4868			05 3	2 02.19	-06 11 28.8	9	-0.001	0 -0.018						1	F5	- 6			-
## AD BOO BOO 14 32 58-268 +24 51 24-30 0-0.0021 +0-0.01 9-1 6 10-7 7 11.76	4869			105 2	7 17 94	5 +56 57 02.1	6	-0.001	3 -0.020				- 1		1	GO	6			
#872	4870	_		14 3	2 58 26	B +24 51 24.3	οl	-0.002	1 -0.049					1.5	1		6			
4873	4871					1 -57 10 41.0	3	-0.002	1 +0.041				- 1-	7 11 76	17	K5P	Ι 6			1
4874 V 438	4872			10 7	2 48.45	9 -08 14 42.2	2	-0.053	7 -0 -875				- 1		. 1	МВ	1 6		4	
4975 V 679 OPH 18 39 31.165 +06 46 10-82				10 3	2 18.80	1 +11 07 31.8	9	-0.000	9 +0.011				-1		1	NP	. 6			-
4876	4874			1 1/ 3	0 31.16	5 +06 46 10 6	2	+0.001	9 +0.015				- 1		1	A2	1 6			
4877					0 42-19	3 +08 47 21.7	9	-0.000	6 +0.026	-			1	1		Gn	. 6			1
4878	4876			1	4 31 95	4 +22 08 58.9	3	+0.000	5 -0.029				Į.		1					
4879 V 480 CYG 19 50 33.743 +34 28 51.02 4880 AD CYG 20 29 356.431 +32 23 40.26 4881 KR CYG 20 07 05.148 +30 24 10.64 4881 KR CYG 20 08 30.184 -14 25 02.37 4882 R CAP 20 08 30.184 -14 25 02.37 4883 RW AGL 20 09 33.665 +15 54 33.73 4884 KP AGL 19 00 14.324 +15 43 35.93 4884 KP AGL 19 00 14.324 +15 43 35.93 4886 V 909 CYG 19 33 52.284 +28 10 01.26 4887 RX OCT 19 40 35.157 -78 50 56.99 4888 BR CYG 19 39 25.249 +46 40 01.61 4888 BR CYG 19 39 25.249 +46 40 01.61 4889 V 342 AGL 19 14 39.912 +09 15 13.32 4890 R5 TRI 01 32 00.442 +29 20 01.24 4891 VY CAS 00 48 24.222 +62 38 57.16 4892 H893 BR AND 23 09 08.609 +36 37 19.19 4894 AB AND 23 09 08.609 +36 37 19.19 4895 CK AND 23 10 39.889 +42 14 21.26 4896 EZ PEG 23 14 26.000 +25 26 46.25 4897 AB AGR 22 35 54.870 -14 17 52.558 4899 UW VIR 13 12 40.468 -17 12 25.588 4899 UW VIR 13 12 57.474 +42 31 50.10 4890 VIR 13 12 40.468 -17 12 25.588 -0.0005 -0.0014 -0.0005 -0.0019 9.1 6 +0.0003 -0.006 9.1 6 +0.0003 -0.006 9.1 6 +0.0003 -0.006 9.1 6 +0.0003 -0.006 9.1 6 +0.0002 -0.001 9.1 6 -0.0002 +0.006 9.1 6 -0.0005 -0.001 9.1 6 -0.0005 -0.001 9.1 6 -0.0005 -0.001 9.1 6 -0.0005 -0.001 9.1 6 -0.0005 -0.0014 9.1 6 -0.0005 -0.	4877			_		4 +33 58 10.5	2	+0.000	3 +0 • 007	1 1 7				1			1			
4880 AD CYG 20 29 36.431 +32 23 40.26	4878			_	0 33.74	3 +34 28 51 • 0	2	-0.003	2 -0.018	1 1 7		100			. 1	NP	(1	- 1
#881 KR CYG 20 07 05.148 +30 24 10.64				_	9 36.43	1 1+32 23 40 2	26 [-0.000	3 -0.006				- 1			AO	- 1			
4882 R CAP 20 08 30.184 -14 25 02.37					7 05.14	8 +30 24 10 6	54	+0.003	31 -0.012				. 1		- 1		- 1		' I	i
4883					10.18	4 -14 25 02	37	+0.000	0.004	1 _ =		1					-1		' I	- 1
4884				20 0	33.66	5 +15 54 33	73	-0.000	00 +0 +0 00 /				- 1			A3	: 1			
4885				1 30 1	nn 14.32	4 +15 43 35.	93	-0.000	02 +0 • 006				ĺ			MB	- 1			
4886		_		10	30 54.5	29 -6 2 52 07•3	13	+0.00	32 -0 -034				- 1		- 1	AO				- 1
4887 4888 4889 V 342 AgL 19 14 39.912 01 32 00.442 492 00 10.24 4890 R5 TRI 00 48 24.222 462 38 57.16 00 24 33.573 -06 52 52.36 4893 4894 4894 AB AND 23 20 30 88.609 4895 CK AND 23 10 39.889 AB AB AND 23 10 39.889 42 14 21.26 4895 CK AND 23 10 39.889 42 14 21.26 4896 EZ PEG 23 14 26.000 45 26 46.25 4897 AB AB AR AR AB AR AR AR AR AR AR AR AR AR AR AR AR AR				_	33 52.20	34 1+28 10 01•3	26	+0.00	591-0-001					1	- 1.		1.		' 1 ii	
4887				1 00 1	un 35.1	57 I - 78 50 56•'	99				- 4	1	- 1				1			
4889 V 342 AgL 19 14 39.912 +09 15 13.52		1 112		1 10	30 25.2	49 +46 40 01.	61				- 1					F0				1
4890				1	14 39.9	12 1+09 15 13•	32	-0.00	04 +0 • 01						- 1	A5				
4890		* I	_	0.1	32 00.4	42 +29 20 01 •	24 J	-0.00	64 +0 • 00	7 1 4 7	- 1				١.	MB	1		7 1	1
4892 4893 4894 4895 4896 4897 4897 4898 V 764 V 7					48 24.2	22 +62 38 57.	16							1		МД				- 1
4892 4893 4894 4895 4896 4897 4896 4897 4898 4899 4899 4899 4899 4899 4896 4897 4898 4897 4898 4897 4898 4897 4898 4897 4898 4897 4898 4897 4898 4897 4898 4898 4898 4898 4898 4899				00	24 33.5	73 l-06 52 52•	36												° I - 3.	
4894 AB AND 23 09 08.609 +36 37 19.19		• 1		23	28 34.0	06 +42 59 21.	91	+0.00	01 -0 05				70	7	- 1				7	
4895 CK AND 23 10 39.889 +42 14 21.26		Programme Table 2011		23	09 08.6	09 +36 37 19•	19	+0.00	AT -0.02											- 1
4896 EZ PEG 23 14 26.000 +25 26 46.25 +0.0006 +0.004 9.1 6 10.28 7 11.37 7 K5 6 20.4640 V 4897 V 764 CEN 13 33 16.917 -33 13 26.73 +0.0068 -0.038 9.1 6 10.28 V 4899 UW VIR 13 12 40.468 -17 12 25.58 +0.0068 -0.038 9.1 6 UW VIR 13 57.474 +42 31 50.10 -0.0013 -0.029 9.1 6		· 1		0 33	10 39.8	891+42 14 21.	26			- 1						G5	- 1		* 1 .	- 4
4897 AB AGR 22 35 54.870 -14 17 52.56 -0.0005 -0.014 9.1 6 10.28 7 11.37 7 A2 6 157818 V 4898 V 764 CEN 13 33 16.917 -33 13 26.73 -0.0068 -0.038 9.1 6 9.1 6 157818 V 4899 UW VIR 13 12 40.468 -17 12 25.58 -0.0068 -0.029 9.1 6		-		7 1	14 26.0	00 1+25 26 46	25								- 1		. 1		5 I	
4898 V 764 CEN 13 33 16.917 -33 13 26.73 -0.0068 -0.038 9.1 6 44528 V 4899 UW VIR 13 12 40.468 -17 12 25.58 -0.0013 -0.029 9.1 6				0 00	35 54.F	7n I=14 17 52•	50						8	7 11.3	7		- 1			
4899 UW VIR 13 12 40.468 -17 12 25.58					33 16.0	17 -33 13 26	73			_				1 1 -	- 1	A2				
4079		0		n 13	10 40-4	68 1-17 12 25	20				-			1 1			- 4	4452	° '	
				N 13	12 57-4	74 +42 31 50	10	1 -0.00	113 -0.05	7 7										

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	V N		B N	WVe.	U N	SPECTRAL CLASS	,	7.T.410.	PROP.	G N
-		07 31 26.284	+31 58 50.39	-0.0154	-0.108	9.1	4					TM1E		40109	ŋ٧	
4901	YY GEM	07 31 20 204	-22 21 36.06	-0.0006		9.1	6					An	6	173039	V	1
4902	SW CMA	07 05 58 097	-58 18 06 02	+0.0027		9.1	7					MC	6	234939	V	1
4903	AC CAR	7 16 30 363	+69 45 53.38	+0.0030		9.1	6	10.090	7	1		Κn	6	14157	V	
4904	RU CAM	07 10 20 305	-13 16 30.70	+0.0015		9.1	6					F2	6	153259	ľ v	
4905	UZ PUP	07 39 20.703	-07 52 14.91	-0.0005		9.1	6				'	VIP.	6	137070	ľ	,
4906	R SEX	00 01 00 321	+21 08 51 85	+0.0010		9.1	6					V0	6	90608	ľ	1
4907	TZ CNC	09 01 09.021	+54 41 40.00	-0.0055		9.1	6	10000				65	5	27143	v	
4906	XY UMA	00 10 34 927	+09 16 39-21	+0.0006		9.1	6					A2	6	117211	v	
4909	TU CNC	00 20 13-441	-06 08 56 62	-0.0007		9•1	6		l	100		F5	6	136006	V	
4910	VZ HYA	10 27 130441	-58 58 14.03	-0.0027		9.1	7		1		l :	88	1 6	237813	l v	
4911	DO CAR	10 11 57.45	-60 07 30.73		-0.003	9 • 1	7	1	١			PEC	1 6	99413	l v	
4912	GG CAR	10 59 34.180	+10 09 53 20	+0.0006	-0.043	9.1	6				1	F8	6	180922	ĺv	
4913		10 32 19-166	-20 33 39.20		-0.012	9.1	6			1		W2	6		l v	ļ
4914	RU CRV	12 11 47 864	+12 05 55.26		-0.111	9.1	6		1		1	KO	6	239799	ľv	1
4915	AH VIR	12 12 20-410	-54 32 32.35		-0.027	9.1	7		1		1: :	MB	6		lv	1
4916	V 369 CEN	12 12 20 18 375	-35 32 17.06		-0.014	9.11	5		١.			- G0	6	202729	7	131
4917	V 752 CEN	00 07 49-898	-30 09 52.57	+0.0014	-0.059	9.110		9.300	2		1	A3	ے ا	230567	l 'v	1-0
4916	EPS- 2 PYX V IND	21 08 11.011			-0.065	9.12	7				١.	A5	6	204943	1 2	3
4919		13 50 19.324	-31 41 07-91	+0.0001	-0.003	9.132		8.992	1	8.432	1		ے ا		V	-
4920	-H- 1 CEN CI VIR	12 30 35.751	+07 31 33.42	+0.0006	-0.023	9.2	6				1	MC	6	1	V	-
4921	CI VIR S CRV		-16 59 21 25	-0.0018	-0.036	9.2	6			1	1	F5	6	1	ĺ v	1
4922			-45 08 53 09	-0.0018	-0.012	9.2	7				1	Gn	٩ ا	256935	v	
4923	RU CEN RS MUS	1	-75 13 34 - 37	+0.0016	-0.007	9.2	6						- 1	100109	l v	
4924	RS MUS	12 25 26.788	+19 04 44-22		2 -0.009	9.2	6	١				60		1	ľ	
4925	UW CAR		-59 24 51 54		5 -0.010	9.2	[6	9.980	4		1:	60	1 '	15198	v	
4926 4927	ZZ UMA	10 26 40 51	+62 04 03.93		0.018	9.2	6					F8			v	1
4928	RV CRT		-19 33 17.92	-0.0042	2 -0.005	9.2	6				1	K5	ا ا		v.	
4929	BK HYA	11 17 37.72	7 -34 58 56 73		7 +0.008	9.2	6			1		M8			v	1
4930	RX CNC	1 18 11 44.01	[+24 53 16 • 40]		2 -0.010	9.2	7	1	1		1	AO	1 6		V	
4931	MW PUP	07 54 26 16	5 -44 46 44.05		5 +0.002	9.2	6			1		AO		·	V	1
4932	BF VIR	13 45 18.57	2 -00 20 45 86		2 -0.025	9.2	6					^0	- 1 `	44494	ĺ v	1
4933	SY CVN	13 08 08.30	1 +47 18 24 • 11		0 +0.023	9.2	6							257941	ν	
4934	RS INC	21 32 23.08	0 -70 33 28•78		9 -0.050	9.2	6					kn .	1		V	
4935	AD CAF	21 37 03.79	3 -16 13 58 52		2 -0.024	9.2	6					No.	- `	51160	. v	
4936	DL CYG	21 37 56.29	8 +48 18 46 10		2 +0.005	9.2	6							107100	V	1
4937	AU PEG	21 21 40.38	5 + 18 03 49 • 37		5 +0.016	9.2	6		Ι.		1	M5		191102	V	
4938	RT AGE	22 20 27.64	3 -22 18 35 64		3 -0.022	9.2	6			1	1	"	- `	72272	- V	- 8
4939	T LAC		2 +34 09 40 93		6 +0.022	9.2	6		17	, 1	- 1	An	- 1 -	166011	l v	1 1
4940	RU Scl	00 00 14.33	6 - 25 13 24 • 61		4 -0.007	9.2	6		1'	ž.	1	""		3887	V	1
4941	AN CER	23 17 12.44	6 +82 44 13.75		9 -0.001	9.2	6		. 17	12.62	17	мв		214568		1
4942	AH SCI	23 25 47.97	1 -31 40 41.74		8 -0.004	9.2	6	1			1′	F2		146923	∃ • V	1
4943	BS Agi	23 46 11.56	6 - 08 25 24 • 54		8 +0.002	9.2	6	1	11			MZE	- 1	6 165928	V	
4944	Z Agi	2 23 49 40.06	8 -16 07 57.32		3 +0.003	9.2	6		7	12.32	7	MB		6 214335	. V	.
4945	AG Scl	23 05 25.02	1 -35 53 24 89		5 +0.032	9.2	6		1'	12.02	T.	AO		35242		
4946	V 396 CA	5 23 11 23.07	0 +56 27 56 72		1 -0.001	9.2	6				1			92012	V	1
4947	TW PS	00 37 09.48	1 +13 55 33.61		1 -0.006	9.2	6		1			1		215563		
4948	SZ PHI	1 01 31 54.59	7 -43 29 51.32		4 -0.019	9.2	6							2557n3	V	1
4949	Y HY	i nn 44 22.39	7 -79 05 40 08		5 -0.002	9.2	6				1	A3		6 31761	V	
4950	XZ CY		2 +56 16 47 • 18	+0.010	3 -0.019	7.2	l o		1		1	1				

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STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR Designation	RT. ASCEN. HR MN SEC	10-1-10-1	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	N C	SAO CAT.NO.	PROP.	
			+33 36 45 69	1	+0.0021	-0.438	9.2	4					Υ 5		68830	.D.	
4951	17 B CYG		-19 46 28 87		-0.0023		9.2	6					tn .	۴	162297	V	1
4952	V 353 SGR			ı	-0.0000		9.2	6					M4	- 6	162339	٧	ļ
4953	RW SGR	19 10 59.009	-18 56 53 19	1	-0.0014		9.2	6	100				A5	6	187605	V .	1
4954	V 523 SGR	18 59 44 851	-29 12 58 32		-0.0011		9.2	6				il	88	6	32748	V	
4955	V 828 CYG	20 36 32.838	+54 19 20 - 37		+0.0059		9.2	7					MC	6	254747	ν	1
4956	X PAV		-60 05 09 20		-0.0011		9.2	6					мя	6	144135	V	1
4957	V 584 AQL		-01 46 35.73		+0.0090		9.2	6					A3	6	9710	V	1
4958	£G CEP	20 17 17 004	+76 39 10.56		-0.0007		9.2	6					AΠ	6	98663	V	
4959	BE VUL	20 23 27.694	+27 12 18 65			+0.009	9.2	6] .			M5	6	30298	٧.	1
4960	TT DRA	17 12 02.692	+57 55 11.17				9.2	6		1					65266	V	
4961	RY CRB	16 21 07.838	+30 57 55 51			+0.009	4	6				1	A2	6	183578	V ·	
4962	EI LIB	15 31 25.452	-22 50 02.58		+0.0006		9•2	4					G	l ü	1038	V .	1
4963	SV CAM	06 30 36.662	+82 18 46+30			-0.155	9.2	6	10.100	7			Κo	6	77963	V	1
4964	AA GEM	06 03 28.143	+26 20 06 85			-0.016	9.2		TO . TOO	′ ′			B8	6	171416	l v	1
4965	TX CMA	06 11 18.490	-22 31 57.81			+0.025	9•2	6					50	"	168584	v	1.
4966	T FOR		-28 34 26 07			+0.006	9.2	1		1		1	Α	7	148149	v	1.
4967	XZ CET		-16 35 15.23			+0.023	9.2	6	9.270	1,			Go	6	167572	V	ŀ
4968	SS FOR	02 05 36.058	-27 06 05 94		+0.0063		9.2	6	9.270	Ι΄.	400		A3	6	169130	V	1
4969	BW ERI	04 04 33.905	-27 48 06.35			+0.000	9.2	6		١,	1,000	l	F8 ⁵	6	131854	v	1
4970	ER ORI	05 08 50 595	-08 36 59 85			-0.014	9.2	6	9.74	1'	1			6	150220	l v	4
4971	RR LEP	05 09 52.102	-13 15 29.70			-0.012	9.2	6		١.		١	AO	1 4	238297	D	4
4972	-T- 28 CAR	10 36 51.229	-58 55 06 55			-0.008	9.247		10.727	12	11.697	12	A MR		200972	ľν	1
4973	YY ANT		-37 51 00.31			-0.016	9.27	.4	0	١_	1.0	1	G5	6	200500	l v	1
4974	T ANT	09 31 46.781	-36 23 34.78			-0.025	9.28	7	9.770	\mathbf{F}'	1	1	1 44 1 44	6	177438	v	1
4975	AR HYA	09 23 38.211	-23 32 46.35			+0.013	9.3	6.	1000	1	1000		74	"	1470	v	1
4976	AZ CAM	09 06 42.892	+82 08 51 35			-0.030	9.3	6					B9	1 4	219585	ĺ v	
4977	AO VEL	08 10 24.019	-48 35 43.69	,		-0.002	9.3	6	Later	١.			1 09	6	99244	v	1
4978	UZ LEO	10 37 53.923	+13 49 41 12			-0.037	9.3	6	1			100			221949	v	1
4979	TU VEL	10 16 30.820	-44 59 29.30			+0.012	9.3	6		1		1	60	6	156732	ľ	١
498U	RR CRT	1i 29 09.355	-12 06 19.93		-0.0036	-0.019	9.3	6			100	1	M5	6 7	251495	v	1
4981	LW CEN	11 35 11.924	-63 04 14-27			+0.015	9.3	7	1	1_		١.	B1.5V	1 '	20193	ľv	
4982	RZ CEP	22 37 27.923	+64 35 42.60		+0.0093	+0.212	9•3	6	9.720	17		1	1	1 .	191491	ľ	-
4983	V PSA	22 52 34.962	-29 52 43.37			+0.004	9.3	7			1		MB	6	139594	ľ	-1
4984	AY VIR	13 49 15.948	-03 25 45.76	ł		-0.013	9•3	6		1			MB	6	57516	l v	1
4985	AM AUR	04 53 22.936	+32 07 30 77	٠.	+0.0003	-0.002	9.3	6				1		1 2	78024	ľ	П
4986	SS GEM	06 05 33.530	+22 37 32.77		-0.0000	-0.001	9•3	7			6 4		G5	6	195996	ľv	
4987	RV COL	05 33 50.021	-30 51 26 16	- 25	+0.0001	-0.009	9.3	7		1		1	G5	6		l v	
4988	UV AUR	ns 18 33.313	1 +32 27 51 • 36		+0.0012	+0.047	9.3	6		_:		1	PEC	6	57941	ľ	1
4989	EH LIB	14 56 21.520	-00 44 57.27		-0.0008	-0.026	9.3	6		7	1		A5	6	140257	Ιv	-1
4990	CG VIR		+06 40 14.44		-0.0005	-0.031	9.3	6		1			K	6	120410	ľv	-
4991	Z NoR	16 01 22.456	-46 09 27.40	1	-0.0004	+0.006	9.3	7	1	1			B5	6	226485	l v	-1
4992	TT HER	16 52 08 60	+16 55 01.80	l	+0.000	7 -0.055	9.3	6				1			112464	l v	1
4993	V HER	16 56 17-878	+35 07 34 98			+0.004	9.3	6	1	1_		-1		1	65691	υΛΛ	- [
4994	WW DRA	16 38 21.839	+60 47 49 66		+0.0009	-0.062	9.3	4			1		G5	1.4	17176	V	- 1
4995	Z ScT	1 18 40 16.750	-05 52 15·90	l	+0.0000	+0.016	9.3	6		7			60	6	142532	ľ	1
4996	V 564 OPH	17 49 36 853	+07 57 09-91		+0.000	-0.018	9.3	6		7		1	K2	6	122851	ľ	- 1
4997	SX DRA	18 03 48-640	+58 23 34.89	1	1-0.0004	+0.017	9.3	6		1	1		A7	6	30734		. 1
4998	V 788 CYG		+31 41 27 10	1		-0.009	9.3	6			1			1	70051	Y	
	QZ CYG		+38 07 29 65	1		+0.004	9.3	6			1	1	1		69206	l v	- [
4 99 9 5000	AR SGR	1 2 5 10 06	3 -23 46 37.43	ı		+0.008	9.3	16		1.	4	1	G4	6	187547	V	ા

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

	STAR DESIGNATI	ON	PT. /	SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U. N	SPECTRAL	5 11	T.NO.	STAR PROP.	
NUMBER						+	-0.0007	-0.007	9.3	6		П			В9	6	143004	٧	
5001	V 843	AGL		44.886	-06 52 28•7		-0.0034		9.4	6		ΙI			FO	۴	219771	ν	1
5002	5W	PUP	08 17	08.043	-42 35 44 • 1	- 1	-0.0003		9.4	6	100	li			F8	F	175004	٧	
5003	AA	PuP	07 59	28.894	-24 34 40 • 5	2	+0.0016		9.4	7					MC	6	200536	V	1
5004	RR	ANT	09 33	38.178	-39 40 45.6	1			9.4	6		1:			M5	6	27367	٧	
5005	YY	UMA	09 40	42.437	+53 59 47•3	4	-0.0013		9.4	6	9.52	7 1	100		A5.	6	180855	V	.
5006	SV	HYA	12 27	52.696	-25 46 17.3	9	-0.0048		9.4	6	9.520	7		1	A2	6	15575	V	1
5007	SU	DRA	11 35	06.832	+67 36 26.9	6	-0.0072		9.4	6	70,720			1		1	43173	٧	-
5008	TX	CVN	12 42	17.910	+37 02 14.4	1	+0.0025		9.4	6					43	6	27736	V	1
5009	wY	UMA	10 38	50.605	+51 53 41.6	4		-0.002	1	6						1	98873	ν	-1
5010	ÄL	LEO	09 55	27.805	+18 31 49.0	2	-0.0004	+0.007	9.4	6	100				A5	6	157936	V	١
5011	BD	VIR	13 23	59.767	-15 50 41 8	5		+0.009	9.4	6					B8	6	34798	V	
5012	ζo	LAC	22 44	28.676	+56 33 42.1	2		+0.005	9.4		1000			1	G5	6	213159	V.	
5013	SV	PSA	21 35	41.983	1-33 34 48•5	3	+0.0013	+0.003	9.4	6	l	1			B5	6	34700	V	-
5014	GX	LAC	22 44	15.605	1+56 35 18•7	0	-0.0007	+0.009	9.4	6		7		1	M3	6	192052	V	- 1
5015	ĔŚ	AGR	23 35	43.940	-23 49 56.6	8		-0.006	9.4	6	10.85	1'			B8	6	35189	V	-
5015	PV	CAS	23 07	53.426	+58 55 49.2	6		+0.011	9.4	6					FA	6	215532	V	- 1
	SY	PHE	01 28	20.499	-42 57 51.8	8		-0.022	9.4	6				1		6	166924	v	- 1
5017		CET		28.637		9	-0.0001	+0.013	9.4	6		l			M2	6	166406	Ιv	- 1
5018	RT DT	SCL	00 33	59.099	-25 56 55 0	9	-0.0014	+0.055	9.4	6				1	A7	١ ٥	36559	ľ	
5019	RT		00 35	58.306	+46 16 52.2	8	+0.0011	+0.000	9.4	6							18183	ľ	١
5020	EF	AND	19 09	24.440	+64 46 33.1	0		+0.029	9.4	6	1			1	1		209570	v	1
5021	XZ	DRA	17 5	12 075	-35 55 32.9	A		-0.036	9.4	7		1		1	AM	6	1	ľv	١
5022	V 540	SGR		12:01	-07 30 41.1	5		-0.017	9.4	6	'			1	A2	6		l v	- 1
5023	XZ	AQL	20 19	57 075	+75 05 22.0	4		+0.021	9.4	6					MC	6	9757	v	1
5024	UU _	DRA		10 396	-24 06 10 •6	4		+0.004	9.4	6				1	AO	6	188715	ł	
5025	V2617	SGR	19 52	10.300	-23 42 15 3			-0.021	9.4	6		1			FA	6	186416	V	
5026	SY	SGR	18 07	27 27	+66 56 24 • 8	16		-0.041	9.4	6				1			16931	V	
5027	AG	DRA	19 01	23.22	+78 46 55			-0.040	9.4	6							8267	V	
5028	5	UMI	15 31	28.21	170 40 3340	17		-0.058	9.4	6				1	A2	6		ν	
5029	UΥ	B ₀ 0	13 56	20.210	+13 11 41.9	20		-0.053	9.4	6			1		M6E	. 7	182327	V	
5030	RU	HYA	14 08	40.868	-28 39 01 •	2	40.001	+0.009	9.4	6					G0	6	149294	V	
5031	RY	ERI	03 56	42.201	-17 22 16.	22	-0.001	1-0.029	9.4	6		1			AO	6		V	
5032	8₹	ERI	03 32	41.54	-39 34 41	20		-0.003		6	ł .			- 1	Gn	7	215955	V	
5033	CO	ERI	02 33	3 46 722	-45 17 12.	2/		5 -0.023	9.41	17	9.75	17	9.78	. 7	A5	6		V.	
5034	MW	PAV			72 07 55	20		7 +0.034	9.5	6					A3	6		٧	
5035	VY	MIC	20 45	5 59.90	-33 55 03•	ן סכ		4 -0.005	1	17				- 1	A2	6	211072	V	
5036	BQ	SGR	19 10	54.39	-36 19 51.	+3			9.5	6					FO	6	242878	۷۵	
5037	нн н	NoR	15 39	9 46 61	5 -51 41 18•	741		2 -0.023	9.5	16					A3	6	226234	V	
5038	IR	NoR	15 4	5 24.95	1 -43 56 30•	50		3 -0.013		4	4 1	-					159561	V	
5039	R	LIB	15 5	0.45.76	7 -16 05 19.	49		1 +0.014		17					MA	6	208209	V	
5040	V 380	Sco	16 5	2 56.86	0 -30 14 24 •	62		7 -0.041	9.5	6		. .			N3	7	55730	V	
5041	UY	AND	02 3	5 13.09	9 +38 57 33.	76		0 +0.305		6		1.		1	F5	6	167442	l v	
5042	SV	FoR	01 5	6 06.19	9 -24 37 19.	28		3 -0.029							AŽ	1 7		V	
5043	PX	CAR	06.1	9 59.82	B -54 31 28.	63		4 +0.046		5			1		,		958	V	
5044	sŶ	CAM	06 0	2 25.94	0 +80 04 56•	18		5 -0.026		6							83	V	
5045	AD	CEP	00 2	7 47.65	5 +82 19 08.	88		2 -0.014		6		- 1			PEC	1 6		V	
5046	Ž	AND	23 3	1 15.31	6 +48 32 31.	54		2 +0.003		6	4					1 "	72615	l v	
	vx	LAC	22 3	8 44.80	5 +38 03 39.	60		5 +0 • 000		6		-		1	F5	6		V	
5047	l v̂	GRU			8 -42 36 28.	97	-0.001	6 -0.029	9.5	7	1	1_		-		4			
5048 5049	1 .	VIR	13 2	3 26.92	3 -03 07 08.	78	+0.000	5 +0.006	9.5	4		7		.	G0 B9	1 6		l v	
		. WIT			7 -55 17 40.	100		4 -0.003		16					I KY		1 1 644640	1 1	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

	STAR	1	RT. ASCEN.	DECLINATION P	RA	DEC PM	VISUAL	V	BLUE MAG.	B N	ŲV MAG.	U N	SPECTRAL CLASS	ر اا	SAN CAT.NO.	STAP PROP.	G N
NUMBER	DESIGNATION	N	HR MN SEC	DEG MN SEC N	PM	Pn		\dashv	1110				Mu		221606	V	Г
5051	х ,	V _E L	09 53 23.128	-41 20 59.23	-0.0011	-0.035		4 7					33	6	251552	ν	ì
	and the second s	CEN	11 40 42.230	-60 27 23.96	+0.0008		1 7 7 1			l					1915	V	1
5052		CAM	11 37 14.810	+80 30 44.53	-0.0079			6	100				19.9	6	236527	. W	1
5053		VEL	09 00 49.215	-52 38 36.08	-0.0015		1	- 4 .11		1.5			45	6	1316	V	1
5054		CEP	ns 13 25.809	+85 16 37.2n	-0.0011	-0.008	9•5	6	10.69	7		1	Κņ	6	209288	V	1
5055		Sco	17 45 24.463	-30 27 35 53	-0.0001	+0.034	9 • 54		10.69	1.			ÃO	6	228414	V	
5056		ARA	17 43 44.761	-48 43 47.02		-0.023	9•6	6		1		١.	AZ	6	210550	ν	
5057	The state of the s	SGR	10 42 52.926	-30 32 33.83		-0.002	9.6	7.			1.1		A3	6	171888	١v	1
5058			06 29 32.673	-24 07 37.14	-0.0005	+0.005	9.6	6.		1.			ÃÔ	7	218909	V	
5059		CMA	07 45 52.766		-0.0045	-0.012	9.6	5.				ı	F5	6	223370	V	1
5060		PUP	10 10 32 228	-48 56 01.93	-0.0020	+0.012	9.6	7	1	1	l.	1	BB	6	33841	V	Į.
5061		CEN	21 51 58.539	+53 34 01.56	+0.0017	-0.020	9.6	6			Ì		G5	6	230428	V	ļ
5062		CYG	21 31 30+337	-45 55 16 65		+0.006	9.6	6		1		1		6	230477	V	
5063		IND	20 31 17.425	-42 51 06.94		-0.064	9.7	6	1	1			A2	6	145222	V	-
5064	The St. 100 To 1	MIC	20 5/ 1/ 015	-02 11 10-15		+0.008	9.7	6					K2	6	252281	V	1
5065		AGR		-60 15 32.93	-0.0024	+0.010	9.7	.6		1			В	ء ا	252311	V	1
5066		CEN	13 18 22.400	61 76 52-53		+0.006	9.7	7		1		100	98	1 0	201722	V	1
5067	V 380	CEN	15 24 04.270	61 36 52.53		-0.060	9.7	6	1	1					217277	l v	1
5068	Z	ANT	10 43 40.32	7 -34 59 16 97		-0.005	9.7	6					1	1 ,		l v	1
5069	SU	PIC	05 16 47.828	3 -45 37 52.54		-0.001	9.7	6				1	AO .	6	228898	ľ	1
5070	TZ	CRA	18 15 11.38	5 -43 22 52 60		+0.050	9.7	7			1		A0	1 6	210970	ľ	1
5071	V 526	SGR	19 05 02.23	1 -31 25 40.77		-0.019	9.7	6		1		1.	1		242941	v	1
5072	IN	NOR	15 42 18.88	9 -51 44 36.80		-0.029	9.8	7		i			G5	6	158665	V.	Į.
5073	RV	LIB	14 33 01.22	6 -17 49 07.45			9.8	6		1			K	6	144210	1 '	- 1
5074	Z	AGL	20 12 31.08	7 -06 18 16 84		-0.013	9.8	6				1	A7	6		V	-1
5075	BN	ORI	05 33 47.75	9 +06 48 12.32		8 -0.027	9.8	17		1				l l	202820	, V	
5076	2	HYA	11 45 08.20	4 -32 59 54 40		+0.001	9.8	4	:1	1.	The state of	1	MC	- 4		DV	
5077	R	CRT	10 58 06-01	2 -18 ₀ 3 21.78		1 +0.005	9.8	17			1	1	BB	6		V	1
5078	GW	CAR	09 34 57.41	9 -59 45 39•56	-0.002	2 +0.024	1 .	17		- 1	1		A0	6	252319	V	1
	V 402	CEN	13 25 00.12	0 -63 19 30•17		6 -0.034	9.8	É		-			A5	- 6	247905	٧	- 1
5079	AN	TUC	23 27 33.67	2 -58 42 07.46		9 +0 • 009	9.8	15				. 1	М3	6	90805	V	- [
5080	ST	PEG	22 46 41.44	4 +27 05 35-27		8 +0.001	9.9					1	MO	6	81057	l v	- 1
5081	Z	LEO	00 49 16.36	0 +27 08 29.60	+0.001	9 -0.005	9.9	13					1,10	1 -	158394	V.	
5082		VIR	14 07 39.45	2 -13 04 08-37	+0.009	8 -0.120	9.9	13		1		1	MD	ι			- [
5083	Z U	CRA	19 37 42.01	2 -37 53 02.39	-0.000	2 -0.024	9.9	17				-	AO	1 6		V	- 1
5084		ARA	17 43 00-10	6 -56 04 52.86	-0.000	6 -0.034	9.9	١	5	- [A5M	1	164600	1	- [
5085	A 950		21 40 20.83	1 -14 37 45.10		3 +0 • 027		1.		- 1			K2				- 1
5086	44	CAP	56 52 00.58	9 -32 33 03.43	-0.000	5 -0.011	10.		<u> </u>	- 1			MB				4
5087	SS	Sc0		1 -49 06 21.46	-0.000	1 -0.001			7	- 1:		- 1	910	- `	226172		-
5088	Y	NOR		1 -47 54 04-69	-0.000	7 -0 -010	10.0		5	1.			PEC	- 6			
5089	RX	LUP		5 -32 36 35.18	+0.021	6 -0.331	10.0		5 11.44	1	′	-	GO		124824		-1
5090	AT	MIC		0 +05 43 38 50	-0.000	6 -0.007	10.0		5	. 1				: 1 '	195061		-1
5091	V 417	AGL		4 -33 41 04 34	-0.001	7 +0 • 006	10.0		5			-	FO M4E	, ,	A1292		
5092	CI	ERI		00 +20 07 19.18	-0.034	6 -0.049	10.0		5				MAC.	- 1 '	238424		- 1
5093	AD	LEO		2 -59 09 00 60		2 -0.017			5	- 1	i				202955		J
5094	RT	CAR		70 -33 59 46.28		5 -0.050			5				MA	. 1	2233*7		- 1
5095	DV	HYA		37 -49 27 23.38	+0.000	1 -0.008	10.0		7	- 1			An	100			- 1
5096	SW	CEN	12 15 08.00	20 50 14 43 40		9 -0.005			7				88			1	
5097	V 602	CEN		0 -58 14 43.49		0-0.01		1	7	- 1	1		MB		252241		- 1
509B	V 396	CEN	13 14 11.4	53 -61 19 13 93		5 -0.026		1	7	- 1			Α		5 A0927		
5099	Y	LEC		64 +26 27 26.73		4 -0.040	1		7			.	B5		5 238531	· •	- 1
5100		VEL	10 49 13.3	56 -56 08 41.96	-0.00		1.0.1	- 1	`L								

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER [STAR ESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION P DEG MN SEC N	RA PM	DEC PM	VISUAL MAG.	Ŋ	BLUE MAG.	B N	UV MAG.	U N	SPFCTRAL CLASS	2)	5An r.T.110.	STAR PROP.	G N
5101 5102 5103 5104 5105 5106 5107 5108 5109 5110 5111 5112 5113 5114 5115 5116	V 413 CEN RW CRB V 607 SCO S VUL TT TAU RT PUP RT TAU SX SCO TU CEN UY PEG W HOR V 603 CEN V 449 CEN TU TAU RT RT RT RT RT RT RT RT RT RT RT RT RT	15 37 12.525 17 02 56.050 19 46 20.662 04 48 22.995 08 03 32.059 05 01 11.926 17 44 06.488 14 31 01.988 22 42 23.740 02 42 42.122 13 02 03.694 12 35 38.462 05 42 09.717 22 24 06.216	-58 39 10.47 +29 47 01.02 -35 53 58.14 +27 09 38.92 +28 26 35.85 -38 37 57.89 +23 34 43.11 -35 41 03.62 -31 28 30.48 +30 01 46.18 -54 30 41.59 -35 19 22.41 -35 29 59.40 +24 24 01.27 -37 26 36.66 -32 17 01.11	-0.0020 -0.0012 -0.0004 +0.0009 +0.0017 -0.0002 -0.0021 -0.0036 +0.0027 -0.0033 -0.0032 +0.0002 +0.0002 +0.0002	-0.005 -0.004 -0.006 +0.003 +0.010 -0.031 -0.008 -0.008 +0.004 -0.014 -0.007 -0.006 -0.025	10.1 10.2 10.2 10.2 10.2 10.3 10.5 10.6 10.6 11.0 11.1 11.1	777477777777777777777777777777777777777					40 F8 B8 M2 N3 NB A0 NB MD M1 MC K0 68 M3 A0 NO	655465656667	241417 #3931 208404 #7743 76788 198783 209256 205701 72680 232872 204103 203655 77502 213820 207911	V V V V V V V V V V V V V V V V V V V	

Table 6 Notes

Note <u>Number</u>	Designations	<u>Comment</u>
1	57 GAM-1 AN	Magnitudes are based upon separation of common values shared with 57 GAM-2 AND.
2	57 GAM-2 AN	Magnitudes are based upon separation of common values shared with 57 GAM-1 AND.
3	55 ZET-1 AC	QR Magnitudes are based upon separation of common values shared with 55 ZET-2 AQR.
4	55 ZET-2 AC	QR Magnitudes are based upon separation of common values shared with 55 ZET-1 AQR.
5	25 AI	RI 25 ARI is now in Cetus.
6	5 GAM-1 AI	RI Magnitudes are based upon separation of common values shared with 5 GAM-2 ARI.
7	5 GAM-2 AI	Magnitudes are based upon separation of common values shared with 5 GAM-1 ARI.
8	1 A1	UR 1 AUR is now in Perseus.
9	17 KAP-1 BO	Magnitudes are based upon U-V, R-V, and I-V values shared with 17 KAP-2 BOO.
10	17 KAP-2 B	Magnitudes are based upon U-V, R-V, and I-V values shared with 17 KAP-1 BOO.
11	29 PI -1 B	Magnitudes are based upon separation of common values shared with 29 PI-2 BOO.
12	29 PI -2 B	Magnitudes are based upon separation of common values shared with 29 PI-1 BOO.
13	25 C	AM 25 CAM is now in Auriga.
14	35 C	AM 35 CAM is now in Auriga.
15	45 C	AM 45 CAM is now in Lynx.
16	46 C	AM 46 CAM is now in Lynx.
17	48 C	AM 48 CAM is now in Lynx.
18	52 C	AM 52 CAM is now in Lynx.
19	54 C	AM 54 CAM is now in Lynx.
20	55 C	AM 55 CAM is now in Ursa Major

Table 6 Notes (cont.)

Note Number	Designations	<u>Comment</u>
21	56 CAM	56 CAM is now in Ursa Major.
22	57 CAM	57 CAM is now in Ursa Major.
23	16 ZET-1 CNC	Magnitude is combined magnitudes of Yale 3208 and 3209.
24	48 IOT-1A CNC	Magnitudes are based upon separation of common values shared with 48 IOT-1B CNC.
25	48 IOT-1B CNC	Magnitudes are based upon separation of common values shared with 48 IOT-1A CNC.
26	23 PHI-2A CNC	B-V value shared with 23 PHI-2B CNC.
27	23 PHI-2B CNC	B-V value shared with 23 PHI-2A CNC.
28	1 CVN	1 CVN is now in Ursa Major.
29	-B-1A CAR	Magnitudes are based upon separation of common values shared with -B-1B CAR.
30	-B-1B CAR	Magnitudes are based upon separation of common values shared with -B-1A CAR.
31	-T-1A CAR	Magnitudes are based upon separation of common values shared with -T-1B CAR.
32	-T-1B CAR	Magnitudes are based upon separation of common values shared with -T-1A CAR.
33	-T-2A CAR	Magnitudes are based upon separation of common values shared with -T-2B CAR.
34	-T-2B CAR	Magnitudes are based upon separation of common values shared with -T-2A CAR.
35	UPS-1 CAR	Magnitudes are based upon separation of common values shared with UPS-2 CAR.
36	UPS-2 CAR	Magnitudes are based upon separation of common values shared with UPS-1 CAR.
37	-H-1 CEN	Magnitudes are based upon separation of common values shared with 4 -H-2 CEN.
38	4 -H-2 CEN	Magnitudes are based upon separation of common values shared with -H-1 CEN.

Table 6 Notes (cont.)

Note <u>Number</u>	Designations	<u>Comments</u>
39	3 -K-1 CEN	Magnitudes are based upon separation of common values shared with 3 -K-2 CEN.
40	3 -K-2 CEN	Magnitudes are based upon separation of common values shared with 3 -K-1 CEN.
41	R CEP	R CEP is now in Ursa Minor.
42	4 CET	4 CET is now in Pisces.
43	5 CET	5 CET is now in Pisces.
44	54 CET	54 CET is now in Aries.
45	85 CET	85 CET is now in Aries.
46	68 OMI CET	Magnitudes and colors are with respect to maximum illumination.
47	42 ALP COM	Magnitudes are combined magnitudes of Yale 4968 and 4969.
48	GAM CRA	Magnitudes are combined magnitudes of Yale 7226 and 7227.
49	7 ZET-1 CRB	B-V value shared with 7 ZET-2 CRB.
50	7 ZET-2 CRB	B-V value shared with 7 ZET-1 CRB.
51	2 ETA CRB	Magnitudes are combined magnitudes of Yale 5727 and 5728.
52	17 SIG CRB	Position is that of component A of a double star system. Magnitude is combined magnitudes of Yale 6053 and 6064.
53	31 CRT	31 CRT is now in Corvus.
54	ALP-1 CRU	Magnitudes are based upon separation of common values shared with ALP-2 CRU.
55	ALP-2 CRU	Position and proper motion is that given by GC 16953. Magnitudes are based upon separation of common values shared with ALP-1 CRU.

Table 6 Notes (cont.)

Note Number	Designations	<u>Comments</u>
56	61 CYG	Magnitudes are combined magnitudes of Yale 8085 and 8086.
57	34 P CYG	Shell star Nova 1600.
58	V1357 CYG	X-ray source CYG X-1.
59	78 MU-1 CYG	Magnitudes are based upon separation of common values shared with 78 MU-2 CYG.
60	78 MU-2 CYG	Magnitudes are based upon separation of common values shared with 78 MU-1 CYG.
61	12 GAM-1 DEL	Magnitudes are based upon separation of common values shared with 12 GAM-2 DEL.
62	12 GAM-2 DEL	Magnitudes are based upon separation of common values shared with 12 GAM-1 DEL.
63	17 DRA	Magnitude is combined magnitudes of Yale 6185 and 6186.
64	77 DRA	77 DRA is now in Cepheus.
65	78 DRA	78 DRA is now in Cepheus.
66	79 DRA	78 DRA is now in Cepheus.
67	21 MU DRA	Magnitude is combined magnitudes of Yale 6369 and 6370.
68	44 ERI	44 ERI is now in Taurus.
69	49 ERI	49 ERI is now in Taurus.
70	-F-1 ERI	Magnitudes are based upon separation of common values shared with -F-2 ERI.
71	_F=2 ERI	Magnitudes are based upon spearation of common values shared with -F-1 ERI.
72	32 -W-1 ERI	Magnitudes are based upon separation of common values shared with 32 -W-2 ERI.
73	32 -W-2 ERI	Magnitudes are based upon separation of common values shared with 32 -W-1 ERI.

Table 6 Notes (cont.)

Note <u>Number</u>	Designations	<u>Comments</u>
74	THE-1 ERI	Magnitudes are based upon separation of common values shared with THE-2 ERI.
75	THE-2 ERI	Magnitudes are based upon separation of common values shared with THE-1 ERI.
76	23 HER	23 HER is now in Corona Borealis.
77	75 RIIO-1 HER	Magnitudes are based upon separation of common values shared with 75 RHO-2 HER.
78	75 RHO-2 HER	Magnitudes are based upon separation of common values shared with 75 RHO-1 HER.
79	R HYA	Magnitudes and colors are with respect to maximum.
80	T LAC	T LAC is now in Pegasus.
81	54 A LEO	Magnitudes are based upon separation of common values shared with 54B Leo.
82	54 B LEO	Magnitudes are based upon separation of common values shared with 54A Leo.
83	41 GAM-1 LEO	Magnitudes are based upon separation of common values shared with 41 GAM-2 LEO.
84	41 GAM-2 LEO	Magnitudes are based upon separation of common values shared with 41 GAM-1 LEO.
85	14 LMI	14 LMI is now in Ursa Major.
86	15 LMI	15 LMI is now in Ursa Major.
87	18 LMI	18 LMI is now in Leo.
88	47 LMI	47 LMI is now in Ursa Major.
89	52 LMI	52 LMI is now in Leo.
90	37 LYN	37 LYN is now in Ursa Major.
91	39 LYN	39 LYN is now in Ursa Major.
92	41 LYN	41 LYN is now in Ursa Major.
93	KAP-1 LUP	Magnitudes are based upon separation of common values shared with KAP-2 LUP.

Table 6 Notes (cont.)

Note Number	Designations	Comments
94	KAP-2 LUP	Magnitudes are based upon separation of common values shared with KAP-1 LUP.
95	XI -1 LUP	Magnitudes are based upon separation of common values shared with XI-2 LUP.
96	XI -2 LUP	Magnitudes are based upon separation of common values shared with XI-1 LUP.
97	PI LUP	Magnitudes are combined magnitudes of Yale 5605 and 5606.
98	5 EPS-2 LYR	Magnitude is combined magnitudes of Yale 7053 and 7054.
99	4 MON	4 MON is now in Lepus.
100	30 MON	30 MON is now in Hydra.
101	11 BET-L MON	Magnitudes are based upon separation of common values shared with 11 BET-2 MON.
102	11 BET-2 MON	Magnitudes are based upon separation of common values shared with 11 BET-1 MON.
103	8 EPS-1 MON	Magnitudes are based upon separation of common values shared with 8 EPS-2 MON.
104	8 EPS-2 MON	Magnitudes are based upon separation of common values shared with 8 EPS-1 MON.
105	EPS-1 NOR	Magnitudes are based upon separation of common values shared with EPS-2 NOR.
106	EPS-2 NOR	Magnitudes are based upon separation of common values shared with EPS-1 NOR.
107	63 ОРН	63 OPH is now in Sagittarius.
108	36 A-1 OPH	Magnitudes are based upon separation of common values shared with 36 A-2 OPH.
109	36 A-2 OPH	Magnitudes are based upon separation of common values shared with 36 A-1 OPH.
110	5 RHO-2 OPH	Magnitudes are based upon separation of common values share with 5 RHO-3 OPH.

Table 6 Notes (cont.)

Note Number	Designations	Comments
111	5 кно-3 орн	Magnitudes are based upon separation of common values shared with 5 RHO-2 OPH.
112	69 TAU OPH	Magnitudes are combined magnitudes of Yale 6733 and 6734.
113	77 ORI	77 ORI is now in Monoceros.
114	78 ORI	78 ORI is now in Monoceros.
115	GQ ORI	Kukarkin calls HD 42532 as GQ ORI.
116	50 ZET ORI	Position is that of HD 37742.
117	41 THE-1 ORI	Position is that of HD 37022. Magnitudes are combined values of HD 37020 through 37023.
118	39 LAM ORI	Position is that of HD 36861.
119	48 SIG-2 ORI	Position and proper motion is that given by GC 7032.
120	6 PER	6 PER is now in Andromeda.
121	2 PSA	2 PSA is now in Microscopium.
122	3 PSA	3 PSA is now in Microscopium.
123	-K-1 PUP	Magnitudes are based upon separation of common values shared with -K-2 PUP.
124	-K-2 PUP	Magnitudes are based upon separation of common values shared with -K-1 PUP.
125	L-2 PUP	Magnitudes and colors are with respect to minimum.
126	-N-1 PUP	Magnitudes are based upon separation of common values shared with -N-2 PUP.
127	-N-2 PUP	Magnitudes are based upon separation of common values shared with -N-1 PUP.
128	-Y-O PUP	Becvar calls this Y PUP.

Table 6 Notes (cont.)

Note Number	Designations	<u>Comments</u>
129	SIG PUP	Magnitudes are based upon separation of common values shared with SAO 218757.
130	EPS-1 PYX	Magnitudes are based upon separation of common values shared with EPS-2 PYX.
131	EPS-2 PYX	Magnitudes are based upon separation of common values shared with EPS-1 PYX.
132	14 SGE	14 SGE is now in Aquila.
133	64 SGR	64 SGR is now in Aquila.
134	BFT-1A SGR	Magnitudes are based upon separation of common values shared with BET-1B SGR.
135	BET-1B SGR	Magnitudes are based upon separation of common values shared with BET-1A SGR.
136	24 SCO	24 SCO is now in Ophiuchus.
137	y 862 SCO	Visual magnitude may now be 9.50.
138	8 BET-1 SCO	Magnitudes are based upon separation of common values shared with 8 BET-2 SCO.
139	8 BET-2 SCO	Magnitudes are based upon separation of common values shared with 8 BET-1 SCO.
140	XI -1 SCO	Magnitudes are combined magnitudes of Yale 5977 and 5978.
141	ZET SCL	Position and proper motion is that given by GC 33337.
142	2 SCP	2 SCP is now in Virgo.
143	30 SCP	30 SCP is now in Libra.
144	49 SCP	49 SCP is now in Hercules.
145	1 M SCP	1 M SCP is now in Virgo.
146	13 DEL-1 SCP	Magnitudes are based upon separation of common values shared with 13 DEL-2 SCP.
147	13 DEL-2 SCP	Magnitudes are based upon separation of common values shared with 13 DEL-2 SCP.

Table 6 Notes (cont.)

Note <u>Number</u>	Designati	ons	Comments
148	62	SCA	62 SCA is now in Aquila.
149	2	SEX	2 SEX is now in Hydra.
150	37 1	SEX	37 SEX is now in Leo.
151	38	SEX	39 SEX is now in Leo.
152	118 A	TAU	Magnitudes are based upon separation of common values shared with 118B TAU.
153	118 B	TAU	Magnitudes are based upon separation of common values shared with 118A TAU.
154	141	TAU	141 TAU is now in Gemini.
155	KAP-1	TUC	Magnitudes are based upon separation of common values shared with KAP-2 TUC.
156	KAP-2	TUC	Magnitudes are based upon separation of common values shared with KAP-1 TUC.
157	10	UMA	10 UMA is now in Lynx.
158	79 ZET-1	UMA	Magnitudes are based upon separation of common values shared with 79 ZET-2 UMA.
159	79 ZET-2	UMA	Magnitudes are based upon separation of common values shared with 79 ZET-1 UMA.
160	2	UMI	2 UMI is now in Cepheus.
161	- S -1	VEL	Magnitudes are based upon separation of common values shared with -S-2 VEL.
162	-5-2	VEL	Magnitudes are based upon separation of common values shared with -S-1 VEL.
163	GAM-1	VOL	Magnitudes are based upon separation of common values shared with GAM-2 VOL.
164	GAM-2	VOL	Magnitudes are based upon separation of common values shared with GAM-1 VOL.
165	34	VUL	34 VUL is now in Pegasus.